



ECOWEEK 2012

... habits change ... climate change

Urban Communities + Affordable Living + Green Design

International Conference & Workshops for Architecture & Design

שבוע אקולוגיה ■ Εβδομάδα Οικολογίας ■ الأيكولوجيا أسبوع

Israel & West Bank | February 26 - March 2, 2012

ECOWEEK 2012 | THE WORKSHOPS

EDITED BY ELIAS V. MESSINAS



ECOWEEK 2012

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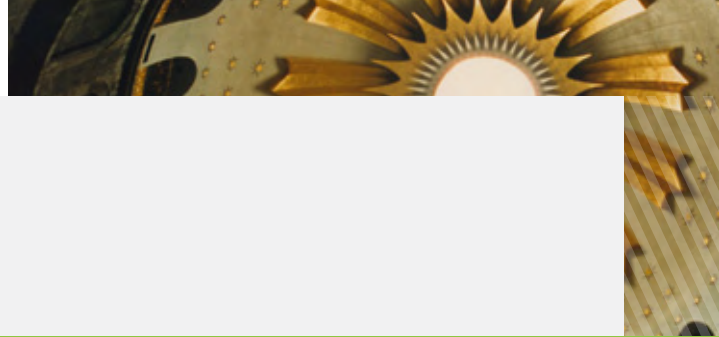


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SAVE THE DATES

ECOWEEK 2012 PROGRAM in brief:

March 26	ECOWEEK & HIT Conference. Keynote lecture by Daniel Pearl (L'OEUF).
March 27 – April 1	ECOWEEK workshops hosted by HIT, Bezalel and Municipality of Rishon LeZion.
March 27	ECOWEEK & Rishon LeZion Panel. Keynote lecture by Elena Barthel (Rural Studio).
March 29	ECOWEEK & Jerusalem Panel Discussion with Mayors of Jerusalem and Athens. Keynote lecture by Ulf Meyer (Ingenhoven Architects).
April 2	ECOWEEK Workshop presentations at HIT.

ECOWEEK 2012 program can be viewed online at www.ecoweekconference.org

ECOWEEK UPCOMING EVENTS:

April 2-8, 2012	Thessaloniki, Greece: Urban Innovation & Green Design
May 17-18, 2012	Krakow, Poland: REUNION in GREEN DISTRICT
September 24-30, 2012	Rome, Italy : Urban FOOTPRINT + Affordable COMMUNITIES + Green DESIGN
November 2012	Belgrade, Serbia
February 2013	Middle East
March 2013	Bucharest, Romania
May 2013	Copenhagen, Denmark
July 2013	Istanbul, Turkey
September 2013	Krakow, Poland

More details are posted online at www.ecoweekconference.org



ECOWEEK 2012 in the Middle East

This catalogue concludes a week of intense learning, training, networking, doing, acting, and being part of the ECOWEEK experience, for the second time in the Middle East. This catalogue concludes also several years of 'green' design and gives a glimpse to the rich output of the ECOWEEK workshops, led by professionals and experts and made possible thanks to the dedicated participation, enthusiasm and hard work of the young professionals and students.

ECOWEEK would not have been made possible and successful without their enthusiasm, commitment and hard work, and without the generous participation of many people, coming from near and far, dedicating their time, their experience and expertise, towards making a difference.

ECOWEEK thanks Holon Institute of Technology (HIT) and the Interior Design Department, for the cooperation and support, for hosting the opening and closing events, but also for giving ECOWEEK a basis and a structure to generate a project that spanned 5 locations and a week full of activity.

ECOWEEK thanks Konrad Adenauer Stiftung, the Municipality of Jerusalem, the Municipality of Rishon LeZion, the Municipality of Holon, the Lev Hasharon Regional Council, and the Zur Moshe Local Council for supporting ECOWEEK. ECOWEEK also thanks the local authorities for supporting the ECOWEEK workshops with real sites, design assignments and professional guidance and support materials.

ECOWEEK thanks Bezalel Academy and the Scottish Church for being a partner in ECOWEEK 2012 and offering hospitality to the ECOWEEK participants and workshops.

ECOWEEK thanks the College of Management Interior Design Department, Tel Aviv University Azrieli School of Architecture, Ariel University Center, for offering academic credits to their students, and thus making ECOWEEK workshops even more attractive to them.

ECOWEEK thanks the US Embassy for one more year of fruitful cooperation and for supporting the ECOWEEK speakers from the United States.

ECOWEEK thanks IISBE, the Israeli Forum for Ecological Art, Palestine Peace Society, and Shorouq Society for the cooperation and the opportunity in bringing together young professionals to learn and design 'green' projects.

ECOWEEK special thanks to: Braha Kunda, Prof. Gadi Golan, Dubi Peleg, Amos Bareli, Yoram Nidam, Adital Ella, Menashe Kay, Eitan Bar tel, Ori Perez, Hemda Cohen, Vered Holzman, Liron Goldenberg, Iris Zilberman, Yair Kahal, Tali Baruch, Michal Sela, Tamar Shmueli, Hila Amitai, Rami Aharoni, Pnina Koll, Yossie Zeide, Lea Krikely, Ifat Rosental, Signe Katz, Miruna Couvillon, Nofar Rosenblatt, Mor Cohen, and Einav Cohen.

ECOWEEK special thanks to: Carmela Yakobi-Wolk, Avner Ackerman, Haim Leshem, Noa Peleg, Merav Kaplan, Sharon Bell, Avivit Tzoref, Maya Shalit, Sara Roffman, Tuvit Gal, Orly Golansky, Felicity Aziz, and Sara Erlanger.

ECOWEEK special thanks to: Naomi Tzur, Shlomo Eshkol, Yuval Yaski, Michael Mertes, Nadine Mensel, Offer Manor, Yiannis Evmolpidis, Margarita Panagiotopoulou, Stathis Perdikis, Grigoria Panagiotopoulou, Yael Hamermann Solar, Erez Ella, Ariel Piperno, Gladis Mashash, Hanan Galbendorf, Tamar Harel, Tal Marmelstein, and Sara Cohen.

ECOWEEK special thanks to: Avraham Huli, Davidi Vortman, Madlene Zakar, Talia Danieli, Assaf Shtein, Ofir Etgar, Taleb Alharithi, Ziad Jallad, Yvette Nahmia-Messinas, Ayelet Bitran and Faygle Train.

*Dr. Elias Messinas, Int'l.Assoc.AIA
Founding Chairman of ECOWEEK
Jerusalem March 2012*



OPENING GREETINGS

Opening Greetings by Nir Barkat, Mayor of Jerusalem



Dear ECOWEEK 2012 Participants,

As a member of the Forum I 5, the Municipality of Jerusalem is making great efforts to prevent climate change and address the issue of sustainability in the city.

The Municipality is particularly enthusiastic regarding the upcoming events of ECOWEEK here in the city. This educational initiative will incorporate workshops on “green” design and architecture and emphasize the important contributions of youth to protecting the environment. ECOWEEK is dedicated to inspiring cooperation between young and established professionals to shape the city and community for both present and future generations.

The Municipality places great value on environmental awareness and education and hopes that this initiative will have a lasting positive impact on the city.

I wish to congratulate the organizers of ECOWEEK 2012 and welcome participants to the City of Jerusalem.

With regards from Jerusalem

*Nir Barkat
Mayor of Jerusalem*

Opening Greetings by Yiorgos Kaminis, Mayor of Athens (Greece)



The city of Athens with its metropolitan character consists of a diverse mix of people, open spaces and buildings. The goal of our municipality is to integrate these unique features of the city and create an active urban experience. In this perspective, we are looking into innovative ways to achieve this goal along with economic revitalization, social inclusion and environmental sustainability.

ECOWEEK presented an opportunity for us to explore new ways to design energy efficient urban spaces. In addition, the participation of the younger generation in this process generated a fresh perception of the city and how it can be organized.

We offered five potential areas for the teams to explore and propose new designs. These areas had different scales of reference, ranging from a single public square to whole neighborhood of more than 50 building blocks.

During the workshops, we had the chance to cooperate with each team in order to produce realistic and viable solutions. However, our collaboration continues even today and we are pleased to see at least two projects moving forward into implementation.

*Yiorgos Kaminis
Mayor of Athens*

Opening Greetings by Prof. Gady Golan President of HIT



H.I.T, Holon Institute of Technology, was founded in 1969 as a technological school serving the local Holon community. H.I.T was recognized by the Israel Council of Higher Education in 1999 as a fully accredited independent institute of technology. Today H.I.T is a leading Higher Education institution, ranked among the best science and technology institutes in Israel. H.I.T grants Bachelor's and Master's degrees in the major disciplines leading the technology industry including computer science, applied mathematics, electrical engineering, electronic engineering, communication engineering, industrial design, interior design, visual communications design, management of technology, and instructional systems technology. Social and environmental issues and the use of alternative technologies and energy sources are at the heart of the reality in Israel today and at the heart of the research and studies at H.I.T.

The ECOWEEK initiative, which combines education, social and environmental awareness and 'green' design is an important platform for young professionals to grow and lead changes in the way we design, build, and live. H.I.T sees its cooperation with ECOWEEK as an important partnership towards forging a new generation of designers, thinkers and doers in Israel.

H.I.T made every possible effort to contribute to the success of ECOWEEK 2012 in Israel by co-organizing and hosting the ECOWEEK 2012 opening conference, featuring leading professionals from Israel and abroad, and co-organizing and hosting 'green' design workshops during the week and the final presentations of ECOWEEK 2012.

We look forward to the ECOWEEK workshop proposals and new ideas that will be generated by the young professionals and students under the guidance of the experts, and to the contribution to the general public social and environmental discourse, environmental awareness and the evolution of our built environment.

Opening Greetings by Carmela Jacoby-Volk, Head, Interior Design, College of Management



The Department of Interior Design, COMAS College was founded in 1995 to meet the need for a full academic program specializing in interior design.

The Department is the largest and oldest accredited design Department in Israel.

By embracing curricular innovation, technology, collaborative methods and global perspectives, our Department has dramatically changed the country's design culture both academically and professionally.

Our curriculum is interconnected network. Beside the first degree we applied for an MA degree:

Interdisciplinary Program in Design and Entrepreneurship Specializing: Social Design

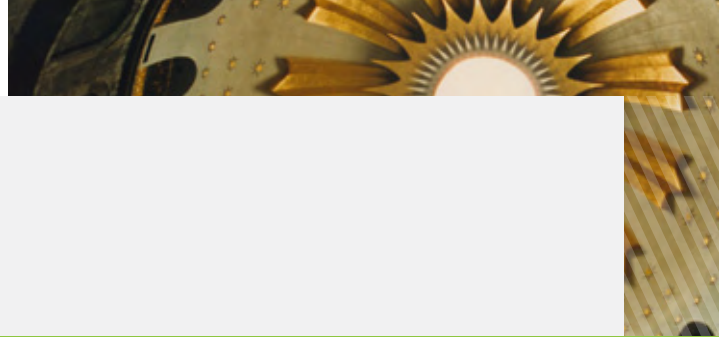
We established the Designer's Clinic with the agenda of producing a viable and academic option, to bring together the field of design with the world of social activism, concern for others and disempowered communities lack access to centers of power. We founded the Fab Lab Israel, with collaboration of the Israeli Digital Art Lab.

We seek to install in our students a broad theoretical and cultural knowledge, general and specialized design practice, community involvement, and an awareness of global issues.

Our department sees great importance to the link between interior design and ecology, sustainability and social commitment.

This year is the second year our department is collaborating with ECOWEEK. We encourage our students to participate in the ECOWEEK's workshops (for credits), and our faculty teaching workshops and conducting panels during ECOWEEK.

Next year we are planning to engage our interconnected curriculum in ECOWEEK activities from the Fab Lab to the Designer's Clinic.



Opening Greetings by James Laing, Regional Manager, The Church of Scotland



The Church of Scotland has been present in the Land of the Holy One for 150 years, supporting Tabeetha School in Jaffa (founded 1843), The Scottish Hospital in Tiberias (built in 1894, and now the site of The Scots Hotel, and Lakeview Wellness Centre which is to open in 2012), and St Andrew's Scots Memorial Church and Guesthouse in Jerusalem (built in 1929). Continuing in the Presbyterian tradition of supporting education, health and hospitality we aim to live as Jesus wishes, in following the Biblical commands to love our neighbours and care for our environment.

Although this is the first year the Church of Scotland has supported ECOWEEK, the Church and its institutions have been working for a while to meet their environmental responsibilities, including retrofitting solar water heating panels, investigating greywater recycling, reducing and recycling waste. The ECOWEEK workshop group will be led by Greek landscape architect Thomas Doxiadis, and Israeli architect Gil Peled. The team will be working on a new project the Church is planning to implement on a plot of land in Tiberias which is environmentally and socially sensitive, to rehabilitate the land and consider options for buildings to house a Peace and Reconciliation Centre. The Church of Scotland is excited to see potential designs which will exercise a variety of disciplines, in order to demonstrate our commitment to the community and to the environment.

On this journey, the Church is always striving to improve its policies and practices, and with environmental issues more immediate whether global (carbon footprint and global warming), regional (water usage) or local, the Church of Scotland's collaboration with ECOWEEK is a practical and visible way to live the Bible edict to be good stewards of our precious environment.

With warm regard and wishing every success to ECOWEEK Middle East 2012.

Opening Greetings by Michael Mertes and Nadine Mensel, Konrad Adenauer Stiftung



Michael Mertes,
Director of KAS Israel,
Nadine Mensel,
Deputy Director of
KAS Israel



Dear contributors and participants of ECOWEEK 2012,

We are proud to be among the supporters of ECOWEEK 2012. This unique initiative brings together political decisionmakers, urban planners, designers, architects, students and young professionals from all over the world who are dedicated to the environmental cause.

The Konrad-Adenauer-Stiftung (KAS) is a political foundation, associated with the Christian Democratic Union of Germany, the party of Chancellor Dr. Angela Merkel. Dealing with the effects of climate change and negotiating international binding agreements has been on top of her government's agenda. Moreover, Germany is heavily investing in expanding renewable energy production and proliferating know how in that regard.

Going "green", as well as raising awareness to environmental problems is one of the most important tasks on the global, regional and local levels. ECOWEEK 2012 with the emphasis on urban green design serves as a remarkable example how bottom-up approaches and transnational networking make a difference. During the workshop sessions and through various lectures participants gain state-of-the-art knowledge on "green" architecture and innovative transportation solutions.

The challenge ahead is demanding: to provide a growing population – here in Israel but also in urban areas on a global scale – with affordable housing and living space, while at the same time respecting the principles of sustainability, reducing green house gas emissions and energy consumption. Those are the focal points where the interests of KAS and ECOWEEK 2012 meet.

ECOWEEK 2012

Urban Communities + Affordable Living + Green Design



By **Dr. Elias Messinas**,
Int.Assoc.AIA
Founding Chairman of ECOWEEK
Architect, Environmental Consultant,
Adjunct Lecturer Holon Institute of
Technology (HIT)

ECOWEEK is a non-governmental non-profit organization (NGO) established in Aegina, Greece in 2005, active today in 10 countries in Europe and the Middle East. ECOWEEK was created with the mission to raise environmental awareness and to promote the principles of sustainability.

ECOWEEK was born out of the need to raise environmental awareness on a local scale, in the 14,000-residents island of Aegina, as a local community event, featuring exhibitions and community activity at the Folklore Museum on waste recycling, renewable energy, energy conservation and ecological buildings.

After two successful years, ECOWEEK organized events throughout Greece (Athens, Thessaloniki, Patras, Crete, Corfu, etc) in 2007, and as the film 'An Inconvenient Truth' came out, ECOWEEK invited **Al Gore** to speak on Climate Change, in cooperation with Megaron Plus.

Starting in 2008, ECOWEEK focused on 'green' buildings, and invited a series of leading architects from around the world: **Shigeru Ban, Ken Yeang, Ivan Harbour, Rural Studio, and WHITE Architects**, and a series of 'green' design workshops for young professionals and students of architecture, landscape architecture, design and engineering.

In 2008 ECOWEEK held its first conference in Larnaka, Cyprus in cooperation with the Municipality of Larnaka and MKC City College.

In 2010, ECOWEEK organized the first conference and 'green' design workshops in the Middle East, bringing together Israeli and Palestinian young and established professionals and students with participants and experts from Europe, and the US, and **Bjarke Ingels** and **Michael Sorkin** as the keynote speakers.

In September 2011 the ECOWEEK Associates in Milano Giuditta de Vecchi, Prof. Emilia Costa, Amit Anafi and Ofir Etgar, organized the first conference and workshops in Milano, Italy, with **Francoise-Helene Jourda** as the keynote speaker.

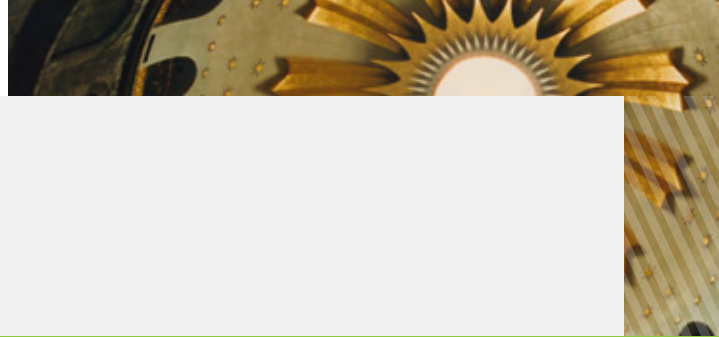
In December 2011, in Athens, ECOWEEK collaborated closely with the City of Athens in producing 'green' design proposal for real sites in the city, and hosted a keynote lecture by US environmental expert Prof. **David W. Orr**.

In 2010 ECOWEEK held its first international conference and 'green' design workshops in the Middle East, with the participation of young and established professionals, workshop leaders and keynote speakers from Israel, Palestinian Authority, Greece, Denmark, France, USA, and UK, for a week of environmental awareness, of international cooperation, and intercultural and interdisciplinary dialogue. Palestinian architect **Omar Yousef**, who lectured and led a workshop at ECOWEEK together with US architect Michael Sorkin and Greek-Israeli architect Mati Kones, put it very poetically, comparing ECOWEEK to a healthy forest: 'ECOWEEK is like a healthy forest,' he said. It contains the ingredients of a forest, such as biodiversity, mutual support and cooperation.'

In 2012 ECOWEEK held its second international conference and 'green' design workshops in the Middle East, bringing again together Israeli and Palestinian students and young professionals, and young and established professionals and students from the US, Canada, Italy, Denmark, Greece, Poland, and Turkey. The ECOWEEK workshops developed 'green' design proposals for real sites in Jerusalem, Holon, Rishon, Azaryia (Bethany), Al-Wallajeh, Tiberias, and Zur Moshe, in cooperation and under the guidance of representatives of these cities and locations. Some of these projects are intended for further development and some may even be implemented in the near future.

Keynote speaker and workshop leader Canadian architect **Daniel Pearl** of L'OEUF, in his conclusions of the presentations discussion, said that ECOWEEK 'was unique because it brought together professionals from different disciplines and combined two different fields, that look separate but are interconnected: the one is environmental design and passive solar architecture'; the second is affordable living and affordable housing integrated into real sites in the cities.'

ECOWEEK 2012 also took a step further in integrating the decision makers into the process of 'green' design' and affordable living: in cooperation with Holon Institute of Technology (HIT) and the Municipality of Holon, ECOWEEK invited experts from Israel, Greece, Italy, Canada, and the US, in 'green' architecture, social issues, affordable living, and community action, to share their vision and experience with the young and established professionals. The discussion included architects **Elena Barthel**



(Rural Studio), **Alessio Battistella**, **Alberto Alcalde**, **Thomas Doxiadis**, **Prof. Hillel Schocken**, **Nurit Alfassi**, and **Suzanne Deschamps**, and a keynote lecture by Canadian architect **Daniel Pearl**. The conference was significantly enriched by the contribution of eco-artist **Shai Zakai**, who held the opening of her exhibition 'A Fairwell to the Cement Dress' at the HIT Gallery, raising issues of preservation and the relationship between Art, Nature and Ecology.

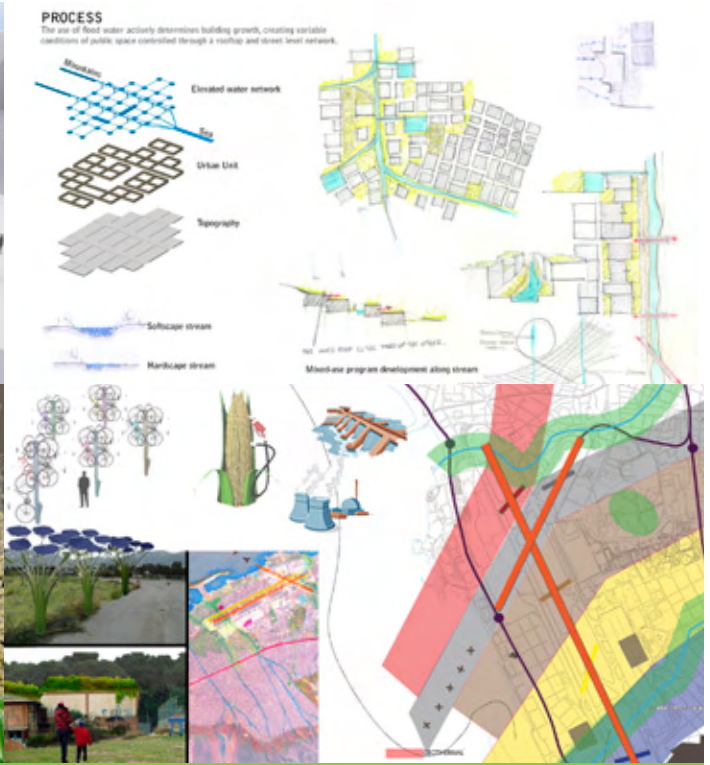
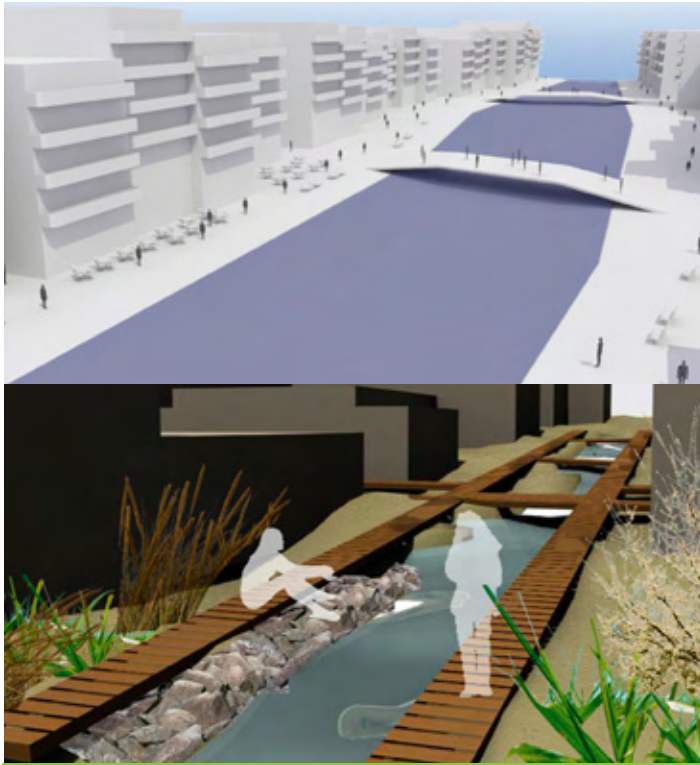
In addition, in cooperation with the Municipality of Rishon LeZion, the College of Management and with the support of the US Embassy, ECOWEEK organized a panel discussion on 'green' cities at the Municipality of Rishon LeZion. In the discussion participated city officials and academics, **Avner Ackerman** (Municipality of Rishon LeZion), **Prof. Shraga Kirshner** (Shenkar), **Ayala Ronel** (Tel Aviv University), and **Dr. Arie Neshet** (Porter School of Environmental Studies), and was moderated by **Carmella Jacoby-Volk**. It was followed by a keynote lecture on projects on 'green' design and social intervention by the Auburn University Rural Studio students, by architect **Elena Barthel**.

Finally, in cooperation with the Municipality of Jerusalem, Bezalel Academy, and Konrad Adenauer Stiftung, ECOWEEK organized a panel discussion on 'green' cities. In the panel participated the Mayor of Jerusalem **Nir Barkat** and the Mayor of Athens **Yiorgos Kaminis**, and was moderated by **Yuval Yaski**. It was followed by a keynote lecture on 'green' urban projects by German architect **Ulf Meyer**, and interventions by sustainable transportation expert from Germany **Uli Molter**.

ECOWEEK 'graduates' remain connected through the ECOWEEK NETWORK (www.ecoweeek.net), a platform for young professionals for the promotion of 'green' design and ecological buildings, numbering more than 500 members in 30 countries around the world.

In December 2011 ECOWEEK also launched the ECOWEEK GREENHOUSE (www.ecoweeekgreenhouse.org), a platform for innovation and for social and environmental entrepreneurship for young professionals, primarily architects, landscape architects, designers and engineers. The GREENHOUSE was launched in Athens, Greece, and in February 2012 the ECOWEEK GREENHOUSE was also launched in Israel with the participation of students from the Holon Institute of Technology (HIT). The students, guided by architect **Heidi Arad** and architect **Dr. Elias Messinas**, developed 'green' design proposals for the Jessie Cohen Community Center in Holon – a real project to be implemented in August 2012. Among the GREENHOUSE projects is also 'green' interventions in the Tabeetha School of the Scottish Church in Yaffo.





FORMER INTERNATIONAL AIRPORT SITE IN HELLINIKON

WORKSHOP Assignment:

The workshop dealt with the site of the former international airport of Athens in the Hellinikon area, a site of approx. 5,000,000 sq.m. The site is located between the Hymitos mountain ridge to the east and the sea of Saronikos to the west. The site was once remote, but with the urban sprawl of Athens, the site has been surrounded from all sides by residential neighborhoods.

WORKSHOP Leaders:

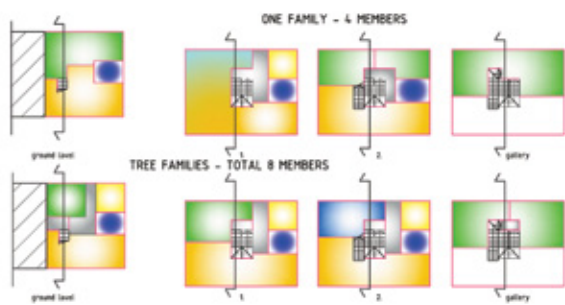
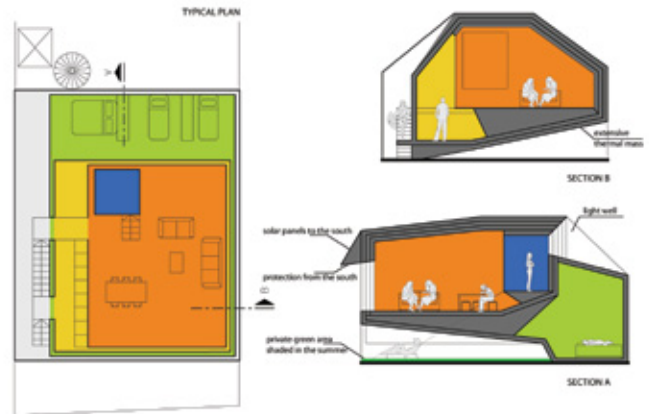
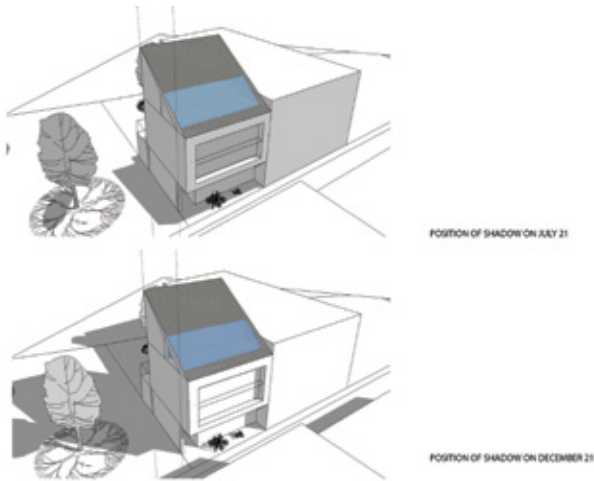
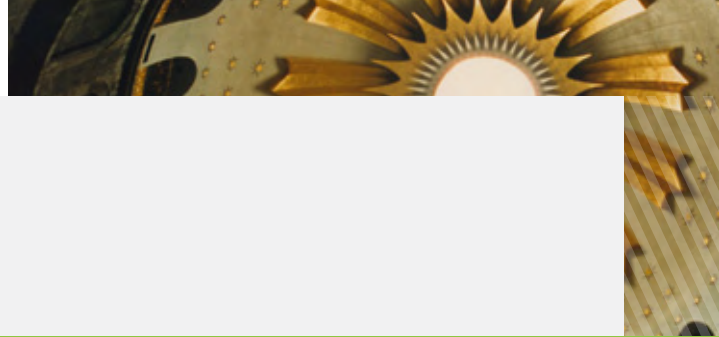
The ECOWEEK 2009 workshops were led by architects, engineers and environmental experts, among them: **Ivan Harbour** (Rogers Stirk Harbour + Partners, UK), **Agnes Couvelas** (Couvelas Architects, Greece), **Nataly Gattegno**, Future Lab Cities, USA), **Byron Stigge** (Buro Happold, USA), **Olympia Kazi** (Institute for Urban Design, USA), **Benjamin Gill** (BioRegional, UK), **Uffe Bay-Smidt** (aart a/s - Architects maa, Denmark), **Andres Lonka** (ADEPT Architects, Denmark), **Marina Topouzi** (Architect, UK), **Thomas Doxiadis** (doxiadis+, Greece), **Petros Babasikas** (Drifting City, Greece, USA), and **Constantine Vakiris** (Architect, UK).

The workshop groups addressed a variety of issues, ranging from water; to energy, to urban farms, to education. We are presenting here some general images of the workshop proposals, giving a

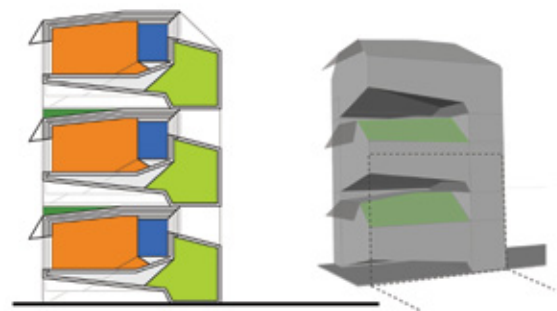
general overview on a complex project, with a very complex program, and how students and experts, addressed these complex issues during ECOWEEK 2009, in a very short time span of 3 workshop days.

WORKSHOP Teams included the following participants:

Alkistis Mavroeidi, Andriani Souzou, Katerina Ofranou, Eleana Myriouni, Katerina Synodinou, Ino-Eleni Theodorou, Evgenia Mavraki, Alkyoni-Sofia Kralli, Katerina Galaktiou, Alike Nikolaou, Dimitra Katsadourou, Alexis Varnavides, Evangelia Hatzipegiou, Elissavet Hatzipegiou, Elissavet Dritsa, Zafeira Kabouri, Michael Burton, Richard Cosgrove, Bresheena Davis, Juliana Fulton, Kevin Gurtowsky, Emily Hsiung, Cody Hunter, Monica Jun, David Mangum, Bernard Peng, Atiqur Rahman, Jinmu Staddon, Amanda Winn, Andrew Zyrowski, Georgios Raftopoulos, Areti Leventi, Annezina Dampolia, Eftychia Spentzou, Maria Spstri, Dimitra Prapa, Vassiliki Chatzitsaousi, Ioanna Kastanioti, Matthaios Petropoulos, Nikolaos Iakovidis, Theodora-Maria Pyrogianni, Magdalena Melon, Androniki Manavi, Andreas Ventourakis, Maria Papavasileiou, Athanasios Baskinis, Aristodimos Komninos, Eleni Katrini, Eleni Pырpyri, Kyriaki Tomanidou, Themis Tomanidou, Stergios Chatzichristos, Charalampos Krekoukiotis, Dimitra Kanavoura, Alexandra Koza, Artemis Aggeliki Sfyri, Panagiota Samioti, Sofia Kremmyda, Kyriaki Metaxa, Eleni Alexandrou, Alexios Vandoros, Kalliopi Chalkidou, Anna Kougiami, Leonidas Anastopoulos, Charikleia Sapountzi, Elissavet Pefani, Eleni Laloumi, Panagiota Georgakopoulou, Eleni Karaiskou, Sotiris Davanas, Emmanouil Psalidas, Anna Gkouma, Eleanna Horiti, and Maria Peitnaki.



POSSIBLE FUTURE EXPANSION OF THE FAMILY UNIT VERTICALLY



DESIGNING A PASSIVE SOLAR HOUSE OF ZERO EMISSIONS IN ATHENS

WORKSHOP Assignment:

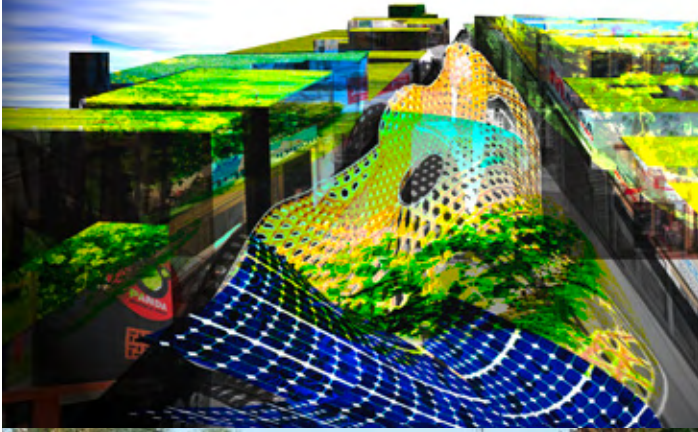
The ECOWEEK 2010 workshops were assigned with the task to design a passive solar house of zero-emissions. The ECOWEEK 2010 workshops dealt with a smaller scale more tangible project, that would give both students and workshop leaders practical experience and tools in passive solar design, and the application of passive and active renewable energy technologies.

WORKSHOP Leaders:

The ECOWEEK 2010 workshops were led by experts from Greece and abroad, including environmental engineer **Brian Mark** (Mott MacDonald Fulcrum, UK), architect **Daniel Wicke** of the Rural Studio (USA), greek architecture and landscape architecture firms, among them **Meletitiki-A. Tombazis**, **doxiadis+**, **Kostas Tsipiras** Architect, **AREA**, **PLIAS-D. Diamantopoulos**, **PAAN**, **Agnes Couvelas**, **Kotionis** and **Tsagrasoulis**, **N. Smyrlis**, **N. Rouseas**,

Zerefos Tessa, **TEAM4**, **deltArCHI-Dragonas Christopoulou**, **Anamorphosis**, **Drifting City-P. Babasikas**, **Angelidakis**, and two workshop groups hosted by the **Hellenic Ministry of Environment, Energy and Climate Change (YPEKA)** with the participation of the following architects and engineers: **Konstantinos Moraitis**, **Vassilis Papandreou**, **Menelaos Xenakis**, **Myrto Koliri**, **Apostolos Efthimiadis**, **Dimitrios Mantas**, **Grigoris Maltezos**, **Yiannis Gyllis**, **Konstantinos Papachristopoulos**, **Sofia Markopoulou**, **Loren Alexander**, **Andreas Andreadakis**, **Fouli Kosmoglou**, **Elias Barkouras**, **Katerina Momtsiou**, **Magda Naoum**, **Marika Papadopoulou**, and **Kalliopi Papadaki**.

Workshop led by **AREA Architects**, and workshop team: **Olivera Ilic**, **Eleni Iliopoulou**, **Giorgos Ritsakis**, and **Sanja Stevanovic**: 'The purpose of our proposal was to improve the existing external conditions, in order to reduce the required energy of the building and to increase the green areas around it. It is not only the design of a passive solar house but also an effort to try to change the microclimate of the entire block. We examined the orientation of the plot and the adjacent buildings and placed the house in the southwest side of the plot, to take advantage of the direct southern sunlight. We covered just a small piece of land and left a big planted backyard to connect with the future park next to it.'



The Energy Line

WORKSHOP Assignment:

ECOWEEK 2010 Workshop group W5 dealt with the 'greening' of Keren Kayemet Le-Israel (KK'L) street in the Old City of Beersheva, a project that was carried out in cooperation and with the feedback and guidance of the Municipality of Beersheva.

WORKSHOP Leaders:

Michael Sorkin (Architect, USA), **Omar Yousef** (Architect, Palestinian Authority), **Mati Kones** (Architect, Israel). Consultant: **Oren Yiftachel** (Geography Department, Ben Gurion University).

WORKSHOP Team:

Haran Adi, Yerofeev Orit, Sahar Qawasmi, Caroline Charvier, Leef Michael, Zelda Elalouf, Wasim Abu El Hija, Mahammad N. H. Jaber, Abdelhamid Qneibie, Mohammad Sulemiyya, and Ofir Etgar.

The Energy Line

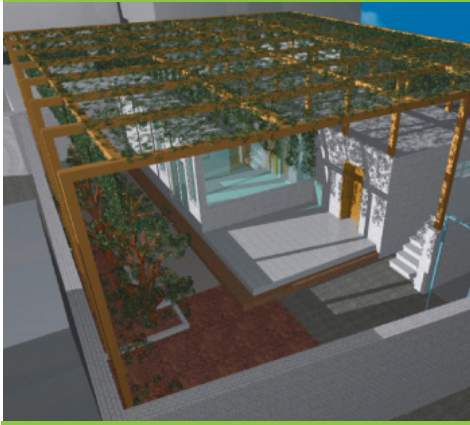
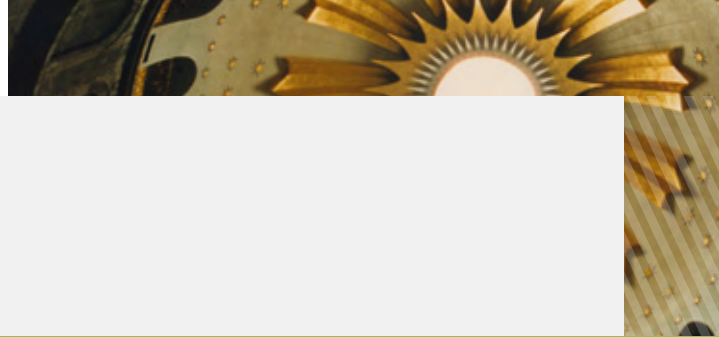
During the EcoweeK 2010 session, the group studied the Karen Kayemet Le-Israel (KK'L) street, located in the old city of Beersheva. The group met the City Architect of the Municipality of Beersheva, who emphasized that the Municipality was seriously considering the idea of giving the Old City center a new breath,

such as by turning KK'L street into a 'green' street.

This street is used half for pedestrian and half for vehicular traffic. The group decided first to turn the street into a pedestrian path only. The design approach of the project included different ideas. The concept of the 'Energy Line' refers, in its design, to Rothschild street in Tel Aviv, which involves a bike road and pedestrian street in the middle of the road (similar to the Ramblas in Barcelona), surrounded by lawns and trees. The idea of the 'Energy Line' is an analogy with Nature, using the symbol of the tree. This symbol represents Nature, health, growth, it's environmentally-friendly and at the same time, it's also the symbol of the city of Beersheva.

The group conveyed these ideas by designing the 'Energy Line' as a line of trees, each tree with a specific function such as collecting rainwater; shading the street, generating energy and lighting (with solar panels and led), recycling, etc. The project also suggests different ways in generating energy, turning mechanical energy into electricity, such as by using a park with sportive activities, and also providing the infrastructure for the recycling of cooking oil to be collected and processed into bio-fuel.

The 'Energy Line' can also serve as a connector between the Old City and the new city, by connecting the 'Energy Line' to urban points of history, community, etc.



Shorouq Charitable Society for Women

WORKSHOP Assignment:

The remodeling of the Shorouq Center in Al-Azariya (Bethany). The project included the re-design of the interior; the design of an addition and the re-design of the roof to become a useful element in terms of social activity, tourism, small enterprise, and to shade and passively cool the Center.

WORKSHOP Leaders:

Mai Haseba (Architect, Palestinian Authority), **Dan Price** (Architect, Israel), **Ziad Jallad** (Architect, Palestinian Authority). Consultant: **Gilad Rosezweig** (Architect, Israel).

WORKSHOP Team:

Listovskaya Irina, Prentou Polyxeni (Polina), Yacoby Yael, Zevi Laura, Ranad Shqeirah, Valitutto Irene, Michael Rozio, and Tal Blumberg-Mandel.

The Shorouq Charitable Society for Women is a Palestinian nonprofit organization, officially established in 2002 to improve the status and empower women and allow them to play an active role in society. The center seeds and cultivates independent, women owned small businesses. The center is located near the historic center of Al-Azariya, west of Abu Dis and Jerusalem. Al-Azariya is of historic significance to Christians as the location of the miracle of Lazarus. The Center is housed in a small rented building. The building has very poor insulation, inadequate ventilation and does not meet the Center's basic needs. A small grant from the Embassy of Belgium allowed the Center to renovate and expand its facilities.

An abandoned property adjacent to the Center, comprising of an old stone building built around an open courtyard with two large vaulted rooms in excellent condition and a small attached dilapidated building. Shorouq is considering leasing this property and adjoining it to the existing Center. The ECOWEEK Workshop team considered this possibility in its design proposals.

The Workshop team developed two phases: the first included the existing property, and the second a possible extension to the adjacent property. This implied moving the formal entrance to the Center; thus allowing handicap access and parking for tour buses. The Workshop team developed three alternative floor plans. In consultation with Shorouq, the best plan was chosen and further developed towards implementation.

The Workshop group also developed strategies to improve the environmental performance of the Center: Alternative A introduced a clearstory for better ventilation, light and insulation. Alternative B introduced a shading pergola over the existing building which would shade the building and offer useful outdoor space on the roof. The selected, alternative B, proposed covering the building with a pergola and vine, shading the building during the summer and exposing it to the sunlight during the winter. The roof vine is a familiar element of traditional Palestinian Architecture and would offer the Center additional outdoor space on the roof. The vine would also support the local women economy providing abundant quantities of grape leaves for cooking and catering.

The Workshop team considered the use of local materials, local building skills, the extreme climate and the limited budget. Most importantly, the team made every effort to express the ideals inherent in the Shorouq Center: the respect, independence and empowerment of Palestinian women, hoping that the design for the Center would address core issues of functionality, dramatically improve the environmental and comfort conditions and create a building which will become a source of pride to the Palestinian women.

Following the completion of the ECOWEEK 2010 Workshops, the project was carried out by a Palestinian architect, issuing permits and preparing structural and working drawings, in consultation with the ECOWEEK group. The project was built and inaugurated - except for the roof pergola - in 2011 with the support of the Embassy of Belgium.

ECOWEEK 2012

... habits change ... climate change

ECOWEEK 2011 Projects in Thessaloniki, Greece



W1: An emerging eco-corridor

WORKSHOP Assignment:

The project dealt with the transformation of the site of International Fair of Thessaloniki into an urban park, when the exposition moves to a new site. This project was one of the projects that the city of Thessaloniki was interested in developing (a real project).

WORKSHOP Leaders:

George Hargreaves (Architect, Landscape Architect, Hargreaves Associates, UK & USA), **Io Karydi** (Architect, Hargreaves Associates, UK). Consultant: **Vasilis Maroulas** (Engineer, ARUP, UK).

WORKSHOP Team:

Gauri Avasak, Asini Chatzivasileiou, Charalampos Kazas, Myrto Lambrou, Petros Lazaridis, Stefanie Leontiadis, Maria Pachi, Anna Papadopoulou, Despina Pippa, Milica Stojanovic, Ourania Tzalla.

DESIGN APPROACH

The aim was to facilitate a set of short term transformation-scenarios that aim towards the requalification of the open space of the International Thessaloniki Fair (ITF) grounds and at the emergence of a sustainable landscape. The first goal was to address

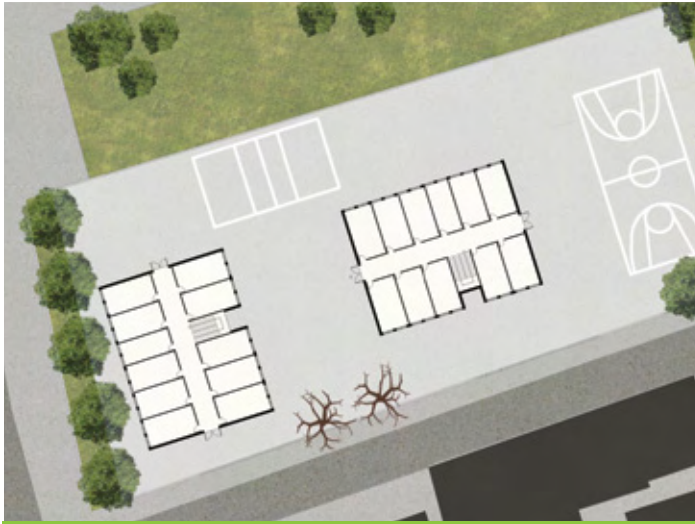
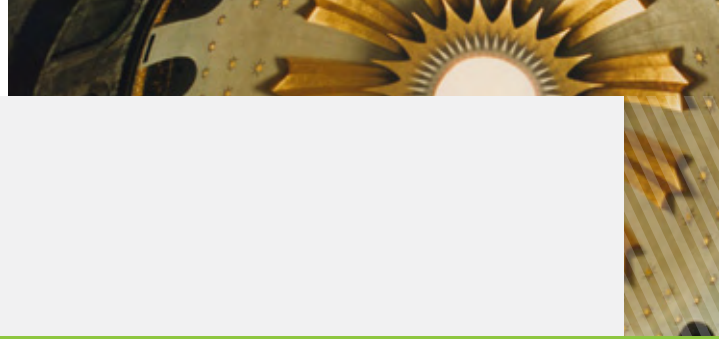
a "Green Engine" for the city of Thessaloniki. The second goal was the formation of the missing link - an "Ecological Corridor"- a functional and operative green link - which, together with the adjacent green spaces, could deliver the connection between city and sea, offering recreation activities and a network of pedestrian, bicycle and water paths.

METHODOLOGY

The design approach was based on the concept that a contemporary park could deliver and activate change through an innovative design that challenges convention, proposes invention and embraces experimentation. The methodology focused on the requalification of the urban space and promoted the emergence of a Sustainable Landscape.

DESIGN SOLUTIONS

The design focused on the four interconnected systems that would deliver integrated sustainability: water / vegetation / energy production / food production. The phasing would progress in three stages: coexistence, transformation and adaptation, allowing for a combination of programmatic uses that include a diversity of fields that maintain and promote a high-level of ecological performance.



W4: “ADDING ZERO” Bioclimatic refurbishment of two school buildings

WORKSHOP Assignment:

The proposal refers to the bioclimatic and functional refurbishment of the 1st High School and the 31st Secondary School at the new seafront of Thessaloniki.

WORKSHOP Leaders:

Stelios Zerefos (Architect, Greece), **Christos Tessas** (Architect, Greece).

WORKSHOP Team:

Derizioti Stamatina, Karagianni Sofia, Kladopoulos Yiotis, Kyritsi Olympiada, Liokas Giorgos, Neroutsou Dora, and Petrous Diana.

The school buildings were constructed after the devastating earthquake of 1978 to temporarily accommodate the schools. The location of the plot is in proximity to the sea front separated by M. Alexandrou Avenue on the west. On the east the schools are adjacent to the new Municipality of Thessaloniki building. The plot is shaded on the south during the winter by tall buildings, whereas a small park is attached to its northern side.

Due to the urgent conditions after the earthquake, these buildings were created to temporarily house teaching uses for only five years. However, in their 32 year lifetime they have not been refurbished or replaced. Upon consulting with the Director of the school, the proposed design tried to accommodate the needs of the school, such as new teaching spaces, a multi-use space, a gym and a library.

The general concept of the design was based on the creation of a light-weight roofing system, which unified the two schools, thus creating an atrium in the free space between them. At the same time the steel structure is used to accommodate additional level above the existing buildings to house new functions. These would be independently accessed through the atrium. The new open areas created would be planted, thus creating green roofs that would increase the roof insulation.

Concerning the environmental upgrade of the existing buildings, it was achieved through the addition of external insulation and the replacement of existing opening. The new atrium that connects the existing buildings plays the role of a climatic buffer zone, which adjusts heating or ventilation depending on the external weather conditions. In the summer, the atrium openings remain open to provide cross ventilation, while in the winter, the polycarbonate panels that enclose the atrium, make the atrium behave like a passive greenhouse. Strategically placed openings in the atrium, transfer heat throughout the entire school complex, drastically reducing energy loads and provide for a healthier interior environment. To compensate for additional lighting energy needed – in addition to daylight – the roof is covered by photovoltaic panels providing clean energy throughout the year. Regarding the outdoor spaces, they are partly paved, and partly used as a garden. The planting of trees at the perimeter of the site visually unifies the space with the park in the north and reduce the level of vehicular noise around the school.

Finally, regarding the economics of the proposed solution, it is not only economical due to the choice of materials, but also in terms of construction method: the modular form of the design, enables for construction to be completed in an extremely short period, ensuring that the two schools will continue operating without interruption.



W16: INTERIOR LANDSCAPE

WORKSHOP Assignment:

The workshop aimed to create a fragment related to the public imaginary, a symbolic object in the Boscoincitta Urban Park, using reclaimed/recycled wood salvaged from the dismantling of an earlier structure.

WORKSHOP Leaders:

Prof. Paolo Mestriner (Architect, Italy) and **Massimiliano Spadoni** (Architect, Italy). Tutor: **Erica Rodolfi** (Italy), **Guglielmo Comini** (Italy), **Michele Corno** (Italy).

WORKSHOP Team:

Stefano Zagni, Giuseppe Vilardi, Stefan Andelkovic, Bogdan Stojanovic, Marco Carbonai, Matteo Pietrogrande, Valentina Longo, and Aleksa, Korolija.

The workshop set out to achieve the realization of a fragment related to the public imaginary, a symbolic object able to recall the terms pointed out in the title 'Landscape Interior'. The site chosen for the symbolic object was the urban public park Boscoincitta,

built in Milano in 1974 as a first experience of urban forest in Italy. The park was born of an area of 30 hectares and today covers over 120. The workshop chose to place the object in one of the entrances to the park. The team used reclaimed/recycled wood originating from the dismantling of an older structure, and later put to storage for future use. The team also based the design on the principle of self-construction, meaning that the team had to both design, detail and construct the object within the time-span of the ECOWEEK workshop.

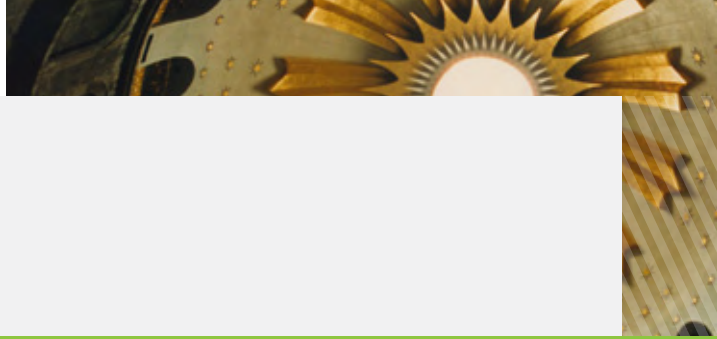
The organization of the workshop was based on the following structure:

Day 1: The Workshops Leaders explained the main theme/concept, and lectured about similar experiences done by the workshop leaders in the last years. The first day also included dimensioning of the project and detailed drawings. The team then visited the storage and evaluated the materials at their disposal – the reclaimed wood in storage. Day 2, 3, 4 were spent by the team building in the object at the site. Day 5: presentation of the work.

The 'Interior Landscape' pavilion can be visited at the Boscoincitta park in Milano.

ECOWEEK 2011

Projects in Athens, Greece



W11: PEZOPOLIS

WORKSHOP Assignment:

This workshop was the manifestation of a close collaboration between the City of Athens and ECOWEEK towards making ECOWEEK a platform for the generation of design ideas that can benefit the city, the neighborhood and the local community in Athens. This project was based in one of five sites suggested by the City, and one of the sites that the City chose to develop further towards final design, towards securing EU funding, and finally towards implementation. The W11 project assignment was the reorganization of the circulation and public spaces at the Panormou street Refugee Housing Blocks in Athens.

WORKSHOP Leaders:

Pani Stathopoulou (Sculptor & educator; Greece), **Eleni Polychronatou**, (Artist & educator; Greece), **Louisa Stathopoulou** (Industrial designer; Greece), **Nikos Detsis** (Civil engineer; Greece), and **Vivian Karavia** (Organizational and architectural psychologist, Greece). Consultants on the photovoltaic installation: **A. Kontadakis** and **K. Ordumpozanis** (Greece). The group was also consulted by **Yiannis Evmolpidis** (Planner; Consultant to the City of Athens, Greece)

WORKSHOP Team:

Simoni Devetzi, Angeliki Lympelopoulou, Christos Agnoustiotis, and Chrysi Perdiki.

The workshop proposal concerns a “green” design, which aims to organize the movement of pedestrians and vehicles, among buildings of different morphology and use, in order to improve the

quality of life in the area.

During the design process the team took into consideration the area characteristics: the history of the area and the new uses of the former refugee tenement; the co-existence of conflicting uses in the same area (bars, residential and abandoned buildings); the landmarks and points of concentration (metro station, avenue, square, shops); issues of status quo: small or nonexistent sidewalks, the domination parked cars, the lack of parking and traffic congestion.

Based on these characteristics, the proposed design proposed a pedestrian net that unites the points of concentration, connecting the metro station, embracing the recreational zone, crossing Panormou street and ending up in the triangular square; and the increase of vegetation in the area.

Sidewalks were widened, streets turned into pedestrian routes (based on the approved study by the City of Athens). New parking was designed on Riankour street, and inside the open space of the NE housing block.

The re-organization of pedestrian movement and the creation of spaces for rest, will improve the quality of life in the neighborhood and reduce the air and noise pollution. In the proposal all existing trees and green spaces were preserved, while new green spaces were added and new trees planted.

Regarding sustainability and aesthetics, two interventions were designed: the addition of a pergola in the main pedestrian streets, for the enhancement of passive shading and ventilation during the summer months, and the construction of a photovoltaic installation on the building facade, that could produce enough energy to cover the energy needs for public lighting in the area, combined with a vertical garden.

ECOWEEK 2012 in the Middle East | WORKSHOPS

More than 150 participants from 8 countries participated in ECOWEEK 2012 in the Middle East. More than 600 architects and architecture students from Israel and abroad attended the ECOWEEK events in Jerusalem, Holon, Rishon LeZion, and Zur Moshe - the expectation was far larger, but there were many cancellations due to the extremely bad weather.

ECOWEEK included 8 'green' design workshops led by architects, landscape architects and designers from Israel, US, Canada, Italy, and Greece, including the GREENHOUSE workshop.

The ECOWEEK 2012 Workshops:

W1: Elena Barthel, Architect, Rural Studio, Alabama, USA & Ohad Yehieli, Architect, OYA, Tel Aviv University Azrieli School of Architecture, Israel.

W2: Daniel Pearl, Architect, L'OEUF Architects, Canada & Suzanne Deschamps, Vice President, Groupe Pacific, Canada & Braha Kunda, Architect, Director, Interior Design, HIT, Israel & Eitan Bartal, Designer, Faculty, Communications Department, HIT, Israel. The group was assisted by designer Adi Sol-Levy.

W3: Ulf Meyer, Architect, Ingenhoven Architects, Germany & Uli Molter, Universities of Chemnitz and Dresden, Germany & Yael Hamermann Solar, Architect, Municipality of Jerusalem & Barak Pelman, Architect, Israel & Guy Teomi, Architect, Israel.

W5: Jan Johansson, Architect MAA, Denmark & Erez Ella, Architect, HQ Architects, Israel. The group was assisted by architect and environmental consultant Michael Levy. The ECOWEEK workshop groups also attended a presentation on environmental assessment tools by architect Michelle Farrell.

W8: Shorouq Women Center, Al-Azaryia (Bethany) and Al-Wallajeh, West Bank Alessio Battistella, Architect & Alberto Alcalde, Architect, ARCo Group Architects & Engineers, Italy & Dan Price, Architect, Tel Aviv University Azrieli School of Architecture, Israel.

W9: Zur Moshe (The Greek Moshav of Israel): Mati Kones, Architect, Ecotectura & Nirit Amir-Melli, Architect, Israel. The group was assisted by architect Assaf Shtein.

W10: Church of Scotland site, Tiberias: Thomas Doxiadis, Architect, Landscape Architect, doxiadis+ & Gill Peled, Architect, Eco-Challenges, Israel.

GREENHOUSE Workshop: GREENHOUSE Workshop: Heidi Arad, Architect & Dr. Elias Messinas, Architect, ECOAMA Israel/ Greece.

The ECOWEEK workshops included projects in Jerusalem (Katamonim neighborhood), Holon (Jessie Cohen and bicycle route), Rishon LeZion (Ramat Eliyahu neighborhood), Tiberias (Scottish Church compound), Al-Azaryia (Bethany – Shorouq Palestinian Women Society Center, phase 2), Al-Wallajeh (urban park), and Zur Moshe (urban interventions and rehabilitation of 2 public buildings). The majority of the projects were invited by the local authorities and/or local NGOs, who acted as the 'clients' offering the students and young professionals the unique opportunity to work on something real and tangible, and very likely to see their ideas being further developed and, in some cases, implemented.

The ECOWEEK GREENHOUSE workshop, which consisted primarily of Interior Design students from the Holon Institute of Technology (HIT) took place for the first time in Israel during ECOWEEK 2012. The first assignment was to re-design parts of the Lazarus Community Center at Jessie Cohen neighborhood in Holon. During planning phase, the director of the Community Center, Yossi Zeide, was actively involved.

ECOWEEK Publicity:

ECOWEEK speakers were interviewed by Haaretz, Station 2, Xnet NTD TV, and other media printed and digital.

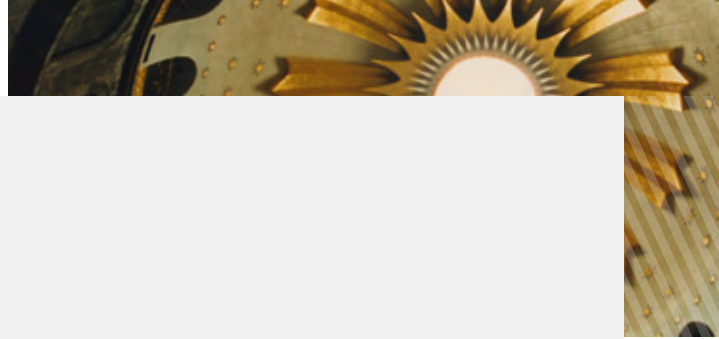
The ECOWEEK workshop proposals are exhibited at the Jerusalem Municipality Building 1 Safra Square between March 15-31, 2012, and featured in the ECOWEEK 2012 exhibition catalogue.

ECOWEEK Evaluation:

On the last day of ECOWEEK 2012 a 2-page questionnaire was distributed to the participating students and workshop leaders. Out of a total of approx. 150 participants, 53 questionnaires were completed and returned (a sample of 35%).

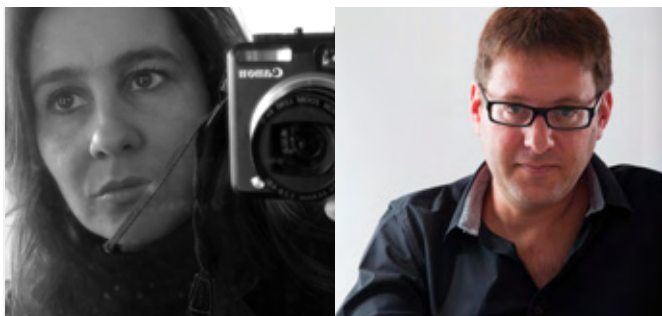
These questionnaires will be evaluated and their results will inform decision making of future ECOWEEK events in Israel and abroad.

Thank you for joining us once again, and we hope to see you again soon!



More photos at www.ecoweek.org press page





WORKSHOP Leaders:

Elena Barthel (Architect Rural Studio, Alabama, USA)

Ohad Yehieli (Architect, OYA, Tel Aviv University, Israel)

WORKSHOP Team:

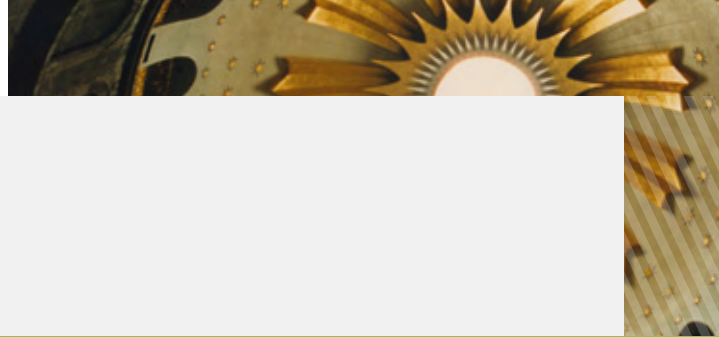
Fanny Gil, Rachel Syn Hershko, Livnat Bar,
Nahalit Nahmias, Ian Nataf, Hadas Peer,
Lily Stanger, Ronit Izraeli, Shiri Sason,
Anna Maiello, Elena Ferrari.

From Inside Out

The site of our project, Ramat Eliyahu, is a neighbourhood located in Rishon LeZion. It is a neighbourhood with an incredibly diverse urban fabric. Composed of villas, residential low and mid rises, commercial buildings, educational and industrial buildings, Ramat Eliyahu has it all. Over the years, it has developed as a relatively poor working class neighbourhood, serving the various waves of immigration into the country. Composed now of a large percentage of Ethiopians, from the most recent wave, it is a true multicultural hub, layered with new and not so new Israelis.

From a viewpoint of accessibility, Ramat Eliyahu is very accessible, shouldering with one of the country's main highways on the East, and one of the city main roads on the south, providing various entrance points both by car and by foot. Within the neighbourhood, lie an intricate web of pedestrian walkways and a network of public and green spaces, all spread and somewhat lost throughout.

After having met with the city Architect, the Urban Planner, and local activists, and after having walked around the neighbourhood and formed our own impressions; the problematic was becoming clear: How do you strengthen a neighbourhood? How do you lift up a community? How do you take an urban fabric in decay, one that is fundamentally



unsustainable, and reinforce it without tearing it? The problematic was clear, but not easy.

Our answer to this delicate question, our strategy for the project is from the inside out. While we acknowledge the need for new development, and injection of new blood, we strongly believe that a phased solution, starting from within, is vital. That is-- the existing must first be strengthened before the introduction of new and specialized functions that we hope will breathe new life into the neighbourhood.

Our intervention is based on maintaining the uniqueness of the existing urban fabric, using the existing DNA of Ramat Eliyahu, and all of its potential. Our intervention begins with the identification of two existing spines. 1. The boulevard; an existing two-lane road, linking cultural, community, and commercial centers. 2. The green bend, a neglected sand dune with an incredible natural topography, serving now, only as a buffer between the residential and industrial zones.

Onto these two spines we begin to superpose our new programs: a campus for two Faculties of the University of Tel Aviv, and Urban farming facilities.

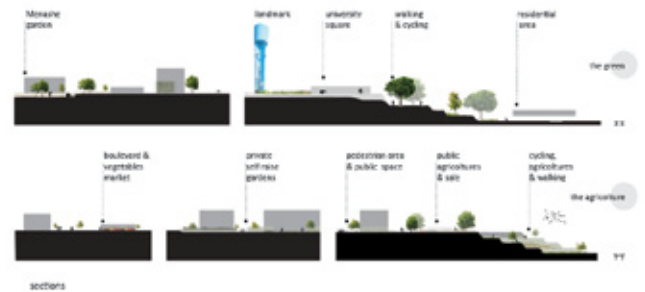
The Boulevard

We decided to transform the main street of the neighborhood to a boulevard that will serve as both the commercial and cultural spine of Ramat Eliyahu. The development of the Boulevard will include the Tel Aviv University Campus branch, a commercial center which will combine a large square, and a cultural center that will host a variety of social activities: a Gym, a swimming pool, basketball and football courts, a library, a dancing school and a place for the youth groups to meet. The Boulevard will also be connected to the green bend and the Menashe Park.

The Green Bend

As mentioned before, the green bend is a neglected sand dune with an incredible natural topography which we would like to turn to an urban park containing an agriculture zone, walking promenade, bicycle lane following the natural topography, a playground that will connect the park to the residential area on the north, and will connect to the Campus, Menashe Park and the main boulevard. As phase one of the development we suggest the playground on the northern end of the bend, Tora Va'avoda street, that serves as a large road and parking lot at the moment. It is important to acknowledge the great natural greenery the site is offering, that allows different levels of intervention.

By strategically fragmenting and placing these new functions, we believe that new life will start to emerge between the two spines, and eventually beyond.





WORKSHOP Leaders:

Daniel Pearl (Architect, L'OEUF, Canada)

Suzanne Deschamps (Vice President, Groupe Pacific, Canada)

Bracha Kunda (Architect, Interior Design, HIT, Israel)

Eitan Bartal (Designer, Communications Department, HIT, Israel)

WORKSHOP Team:

Sivan Gal, Sharon Rosenzaig, David ben David, Alon Michaeli, Naama Dagan, Batel Yossef, Matan Eshel, Sapir Tsach, Hila Kitrey Bar-Nof, Adi Levi-Eitan, Ravit Gal, Adi Gov, Lior Molcho, Ayelet Rozio, Yoav Zaidel, Ilia Feldshtein, Kim Rasoumoff, Noa Salpeter, Masha Machlinovsky, Danielle Ventura.

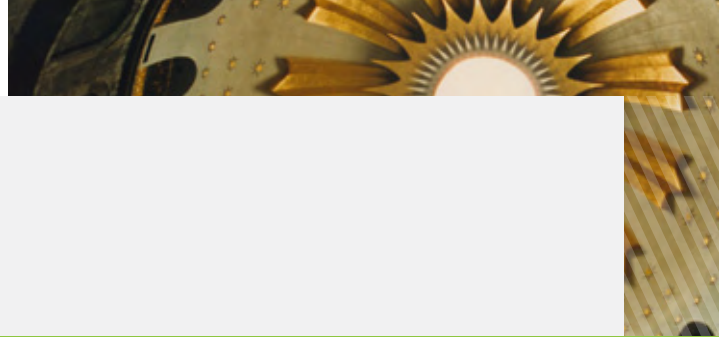
Riding to the Beat of the City



WHAT:

We have recognized that bike routes must respond to various needs for a variety of users:

- Local worker residents interested in leaving their car behind and commuting efficiently with trains, dedicated bus routes and eventual light transit, will require direct routes where efficiency and mixed-use programming are seamlessly sewn together: Nodes will combine bike storage, rental, cafes, daycare, showers and gyms - to provide the comfort and variety that will outperform the private car experience.
- Local residents wanting a leisurely experience, will be able to visit the local institutions (schools, libraries, community centers) and daily activities (local food markets, daycares, cafes, etc...).
- Visitors and tourists will be able to follow a dedicated green path connecting all of Holon's galleries and museums.
- Everyone will be able to enjoy and understand the history of Holon's development as it's early northern commercial axis,



Sokolov, is revitalized and interconnected via two parallel, north-south bike paths, with its new institutional axis to the south.

HOW:

Through a series of proposed sectional modifications, via “access by proximity” as a key concept in envisioning healthy mixed-use settlement patterns (quote from Richard Register, from a United Nations Environment Program (UNEP) paper on: “21 issues for the 21st Century”).

UNEP Foresight Process on Emerging Environmental Issues lists “Boosting Urban Sustainability and Resilience” as a top global priority.

VISION:

Bike routes throughout Holon can create a myriad of threads, connecting the various layers of Holon’s identity, weaving its diverse fabric into a rich, urban tapestry.

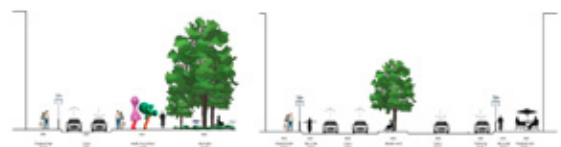
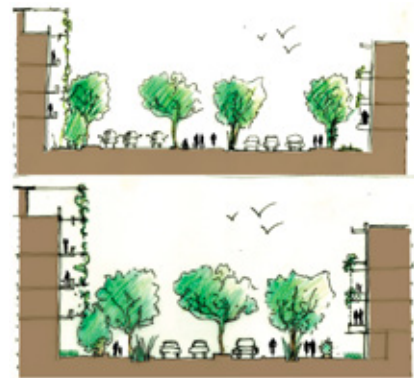
Bike routes can empower Holon’s numerous communities and connect its people while creating healthier environmental conditions.

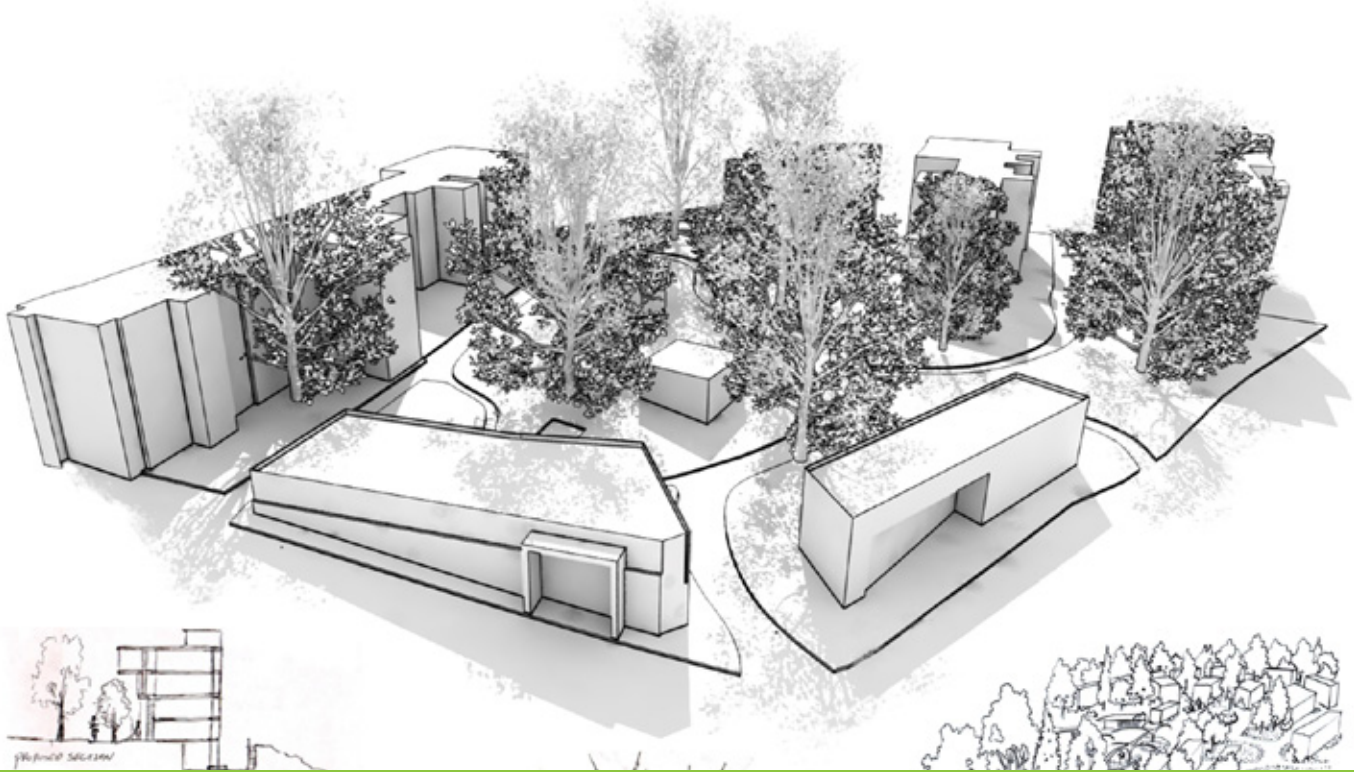
An integrated active transport planning strategy can mediate between top down vision – and bottom up community needs. It can form a bridge between identity and branding.

WHY:

Holon, like many municipalities worldwide, was created in an era where Urban Planning was overseen by traffic engineers. The four elements at the core of high quality urban lifestyle - Complexity, Compacity, Efficiency and Stability - were not yet part of daily thinking, where within a 5 minute walk or 400 meters, one could find most of what one needed by foot or bike. We are proposing, via urban acupuncture, a series of strategies that will provide the lungs, hopes and aspirations for Holon’s future, where “Greening and Densifying” is balanced with “Cultural Diversity” and “Socio-Economic Revitalization”.

Through a series of interwoven bike route themes - including Green, Culture, Extreme and Routine, Holon can become accessible to all.





WORKSHOP Leaders:

Ulf Meyer (Architect, Ingenhoven Architects, Germany)

Uli Molter (Geographer, Universities of Chemnitz and Dresden, Germany)

Yael Hammerman-Solar (Architect, Municipality of Jerusalem, Israel)

Barak Pelman (Architect, Israel)

Guy Teomi (Architect, Israel)

WORKSHOP Team:

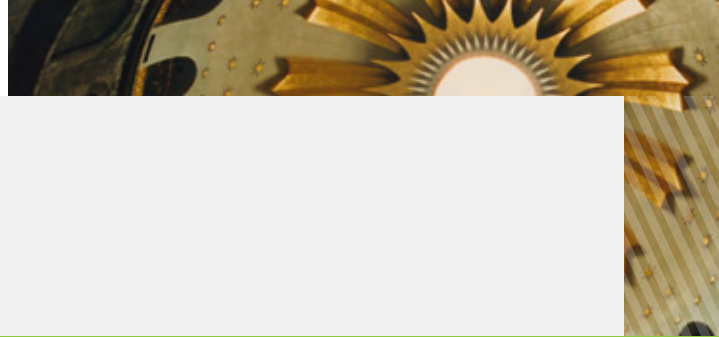
Walaa Abu Assab, Shani Vaknin, Zuriel Ozeri,
Nir Zarfaty, Ayelet Levy, Hilla Gordon,
Nitzan Gabay, Gilad Gartziany, Ihab Alkateeb.

Reinventing Katamonim

The neighborhood of Katamon (in Greek 'Kata Monas') in south-central Jerusalem was established before World War I. From 1924 on affluent Christian Arabs built large mansions there. In 1948 the neighborhood was an Arab salient between two Jewish neighborhoods. After the surrender of the Jewish Quarter in the old city 1000 Jewish refugees were moved to Katamon. The neighborhoods of Katamonim 8 and 9 (also known as San Martin) are bound by roads on the North and East sides. They were built to accommodate a wave of immigrants in the 1960s and are characterized by long apartment blocks on pillars, providing low-cost housing. Until 1967 Katamonim was on the Jordanian-Israeli armistice line. Some infrastructure improvement was financed by an urban renewal project in the 70s. Since the 1990s, mainly Russian and Ethiopian immigrants populated the neighborhood. The lack of municipal investments on the public spaces along with the poor maintenance and neglect from both public and private side degraded the neighborhood status and image into becoming one of Jerusalem poorest region.

Proposed Design during ECOWEEK:

After a site visit, the students identified two areas of possible improvements for the neighborhood: On the urban design scale as well as the architectural level. On the urban design



level the students aimed to overcome these shortcomings and obstacles: The spatial isolation of the district, the lack of amenities and traffic issues. In their sketch proposal they suggest to create a green valley perpendicular to the main urban roads, connecting the neighborhood to the Gazelle Valley in the North and the Sports Park in the South. The road leading to the schools should be turned into a Boulevard with less parking and shaded sidewalks. The vacant lot in the Northeast could be turned into a “Gate” for the whole neighborhood. Bus routes could be altered to improve connectivity and pedestrian paths and bike lanes offer short-cuts and alternatives to the private car use. A strip of vegetation will help buffer the noise from the nearby roads.

The architectural focus was on a typical social housing block. The students identified that their existing state of small apartments, poor insulation, lack of variety and poor earthquake resistance are problems that could be tackled with the addition of a steel skeleton around the building that tenants could “fill” over time and according to budget with open, enclosed and semi-enclosed spaces using a kit of different panels. This technique would provide various apartments types and sizes within the same structure, allowing the shape evolve in a controlled manner; creating new image to the “Shikunim” – a more personal and human face, representing their inhabitants.





WORKSHOP Leaders:

Jan Johansson (Architect MMA, Denmark)

Erez Ella (Architect, HQ Architects, Israel)

Consultant: Michael Levy (Architect, Environmental Consultant, France & Israel)

WORKSHOP Team:

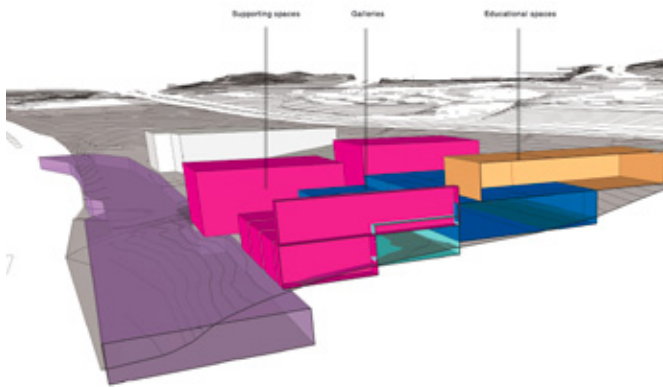
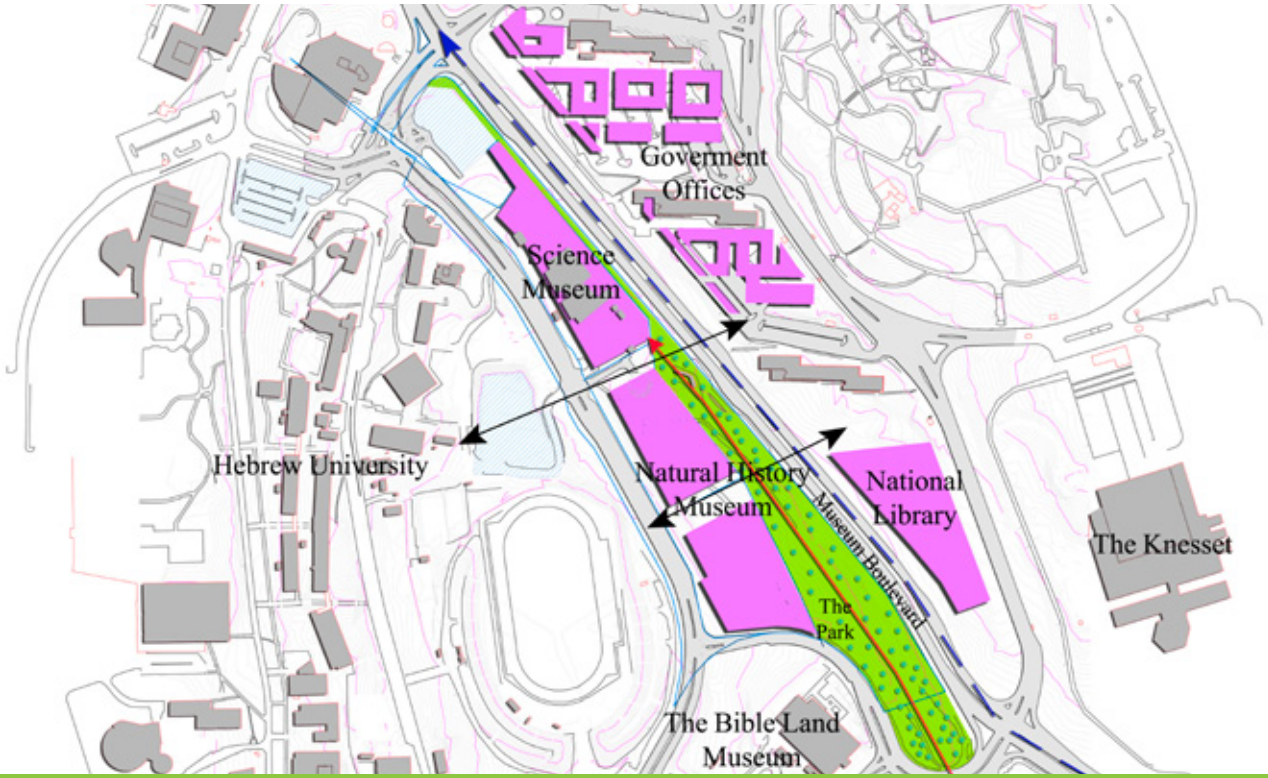
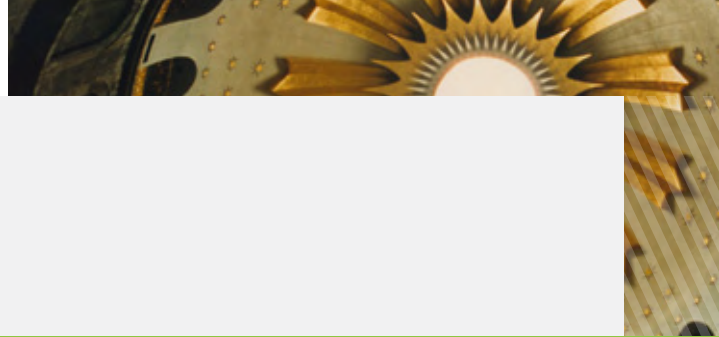
Moshe Ben David, Ariel Pila, Oded Wieder, Noa Pilosof, Nahalal Serok, Elad Amir, Zalman Nemoy, Sasha Shiniakin, Ron Hadar, Maisa Bello, Jakub Tyc, Alaa Shafer Syaj, Lily Sapir, Yehuda Barki.

The New Nature Museum in Jerusalem

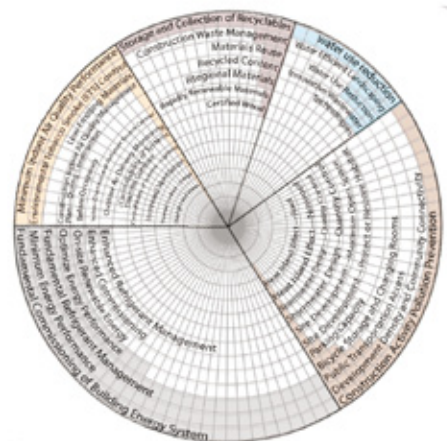
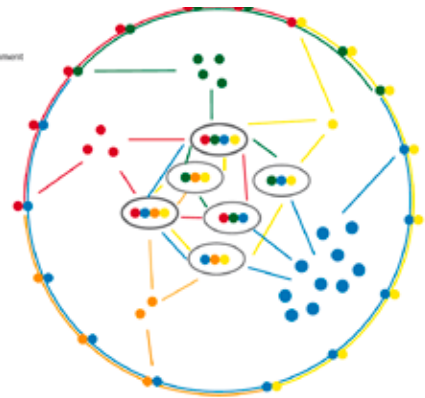
'Green' Design of a New Building

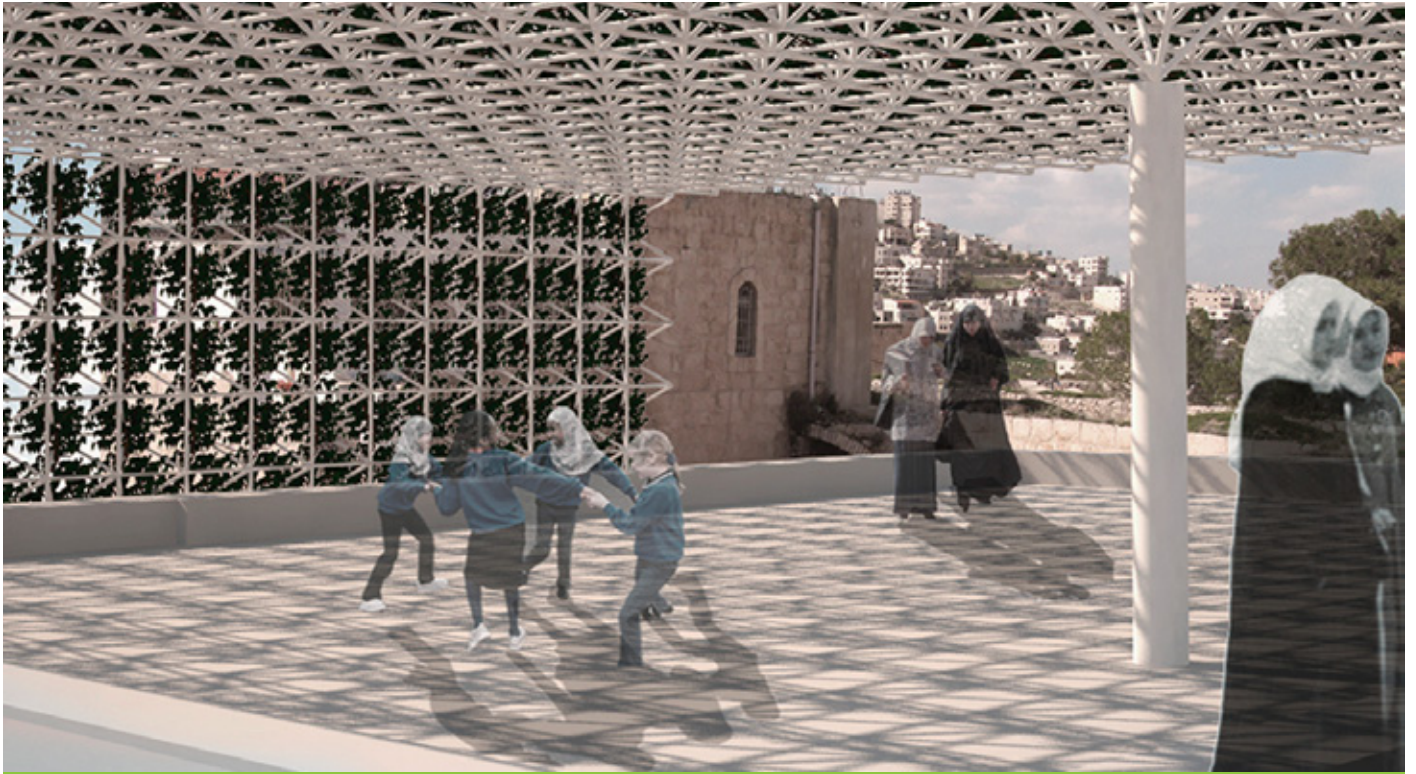
The building site is along the main axis of the government buildings of Jerusalem, an urban axis that combines prominent civic buildings and open green space. The team was given a complex program, which the team organized in 5 main areas: Astrophysics, Evolution, Man & Environment, Ecology and Earth Studies. The team considered the climatic aspects of the site and run climatic simulations to review the winds, temperatures and sun path. The team decided to integrate the building in the site, preserving the existing trees and increasing the natural surfaces in the site by incorporating a green roof. The roof of the proposed design is a green roof, which functions as a terrace and exhibition space.

Wind turbines are mounted on top producing electricity and serving as an exhibit that educates users about sustainable technologies and renewable energy. The 'green' roof also integrates the design of the proposed building into the landscape, and minimizes the building's impact on the environment.



- Astrophysics
- Evolution
- Man & Environment
- Ecology
- Earth Studies





WORKSHOP Leaders:

Alberto Alcalde (Architect, ARCo Group Architects & Engineers, Italy)

Alessio Battistella (Architect, ARCo Group Architects & Engineers, Italy)

Dan Price (Architect, Tel Aviv University Azrieli School of Architecture, Israel)

WORKSHOP Team:

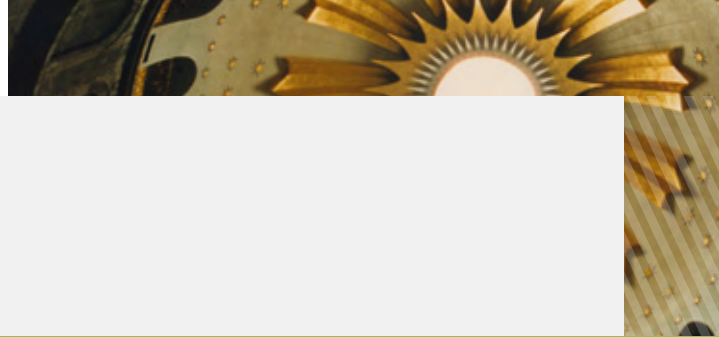
Fanny Gil, Rachel Syn Hershko, Livnat Bar, Nahalit Nahmias, Ian Nataf, Hadas Peer, Lily Stanger, Ronit Izraeli, Shiri Sason, Anna Maiello, Elena Ferrari, Magdalena Malska, Jeremy Arnoff, Nadav Gan, Tal Regev, Diya Al Rajabi, and Diego Selesner.

Shorouq Women Center

Located in Al-Azariya is the Shorouq Women's Center, where the Director, Fatima Faroun, and the women team dedicate themselves to work in their community. The 'wall' has separated the town from Jerusalem, the city it was once tied to economically and culturally, forcing the stifled residents to seek alternative means of subsistence and socialization. Shorouq offers local women educational, civic, and economic support, in the form of sewing and computing workshops, education sessions, as well as an outlet for the sale of their arts and crafts.

In 2010, Shorouq's small rented headquarters were expanded in the context of the ECOWEEK 2010 workshops to provide it with office space, a space for workshops, a fully equipped kitchen and bathrooms, as well as a pleasant patio and small garden.

In preparation for this second phase, the client outlined the Center current needs. The Center needs to make the roof inhabitable as a space to organize larger events. By hosting more people within its Center, Shorouq could extend its reach in the community and provide local women with an additional source of income, be it through the sale of meals or of goods produced at the Center. The requirements were thus twofold: roof access and shelter. The covering could also be used to



grow vines, for the production of vine leaves used for stuffed vine leaves. Another request involved giving the Center a more recognizable identity within the community.

Al-Wallajeh Village Park

Al-Wallajeh is an Arab village in the West Bank located SW of Jerusalem along the 'wall' separating Israel from the West Bank. Certain members of the community are taking steps to build a park in a land belonging legally to the Cremisan's Compound (the Church).

The team proposed to build an identity of "Place" and to integrate the park functions with the existing and new-planned surroundings, including to maintain the existing natural terraces thereby highlighting the landscape; organizing the public space and adapting it for public functions (play areas, vegetable gardens, trash collecting, and energy production); and creating a landmark for the park and the village.

Vines of memory:

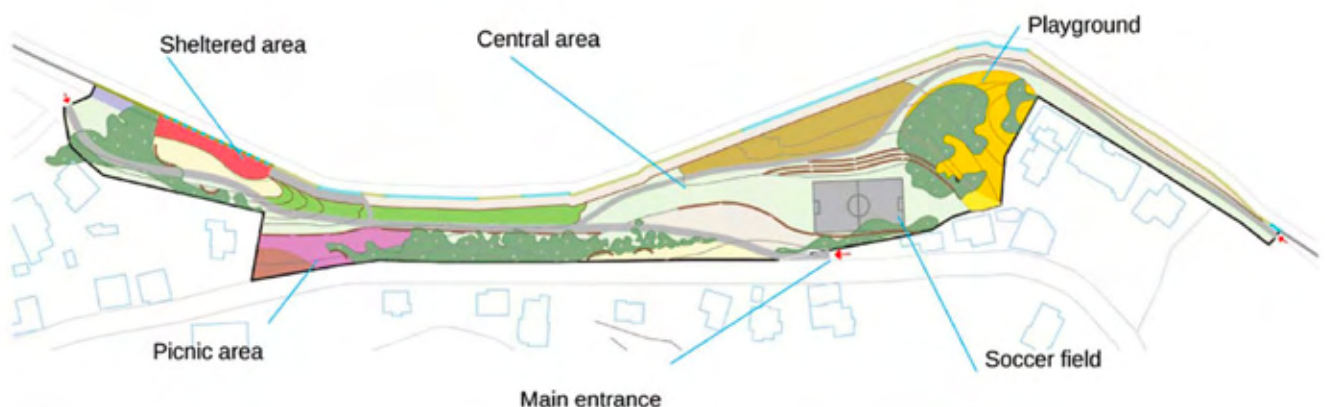
The proposed design honors the local memory by planting along the 'wall' vines.

The 'Wall':

The team proposed to utilize the existing structure and surface of the 'wall' to transform it into an art gallery, aiming to educate and also raise awareness for the current political situation.

A landmark of environmental ecology:

The team proposed, as a means of producing methane gas and fertilizer for garden space, to transform the park entrance into an iconic Center for Environmental Ecology, including a recycling facility and an organic waste fuel production unit – addressing thus the vital issue of waste collection and proper disposal.





WORKSHOP Leaders:

Mati Kones (Architect, Ecotectura, Israel)

Nirit Amir-Melli (Architect, Israel)

Consultant: Assaf Shtein (Architect, Israel)

WORKSHOP Team:

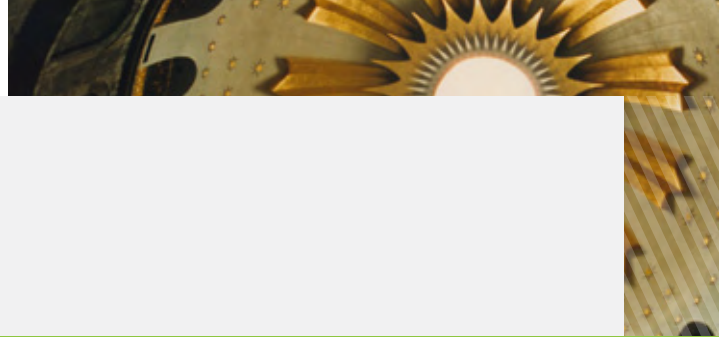
Talia Davidi, Miri Marciano - Michles,
Guy Nir, Maya Shkedi, Maya Assif – Ashkenazi,
Nimrod Olinsky, Yael Korach - Yoash,
Shimrit Rokach – Cohen, Ori Nahum, Ruth Tam,
Viki Kossenko, Udi Shemesh,
Ziv Waks, Shani Zohar – Cohen.

Zur Moshe

Zur Moshe is known to be the largest "Moshav" (co-operative settlement) in Israel, with almost 3,000 members. Zur Moshe was established in the 1930s by young pioneers from Thessaloniki, Greece. Originally developed along a main axis, today Zur Moshe is divided into separated, mainly residential areas, that lack a center; accessed and connected via pedestrian routes, that could strengthen the historic essence and identity of the place. A new master plan was recently completed, aiming to re-design the public center of Zur Moshe.

The workshop team started with a site visit on the second day of ECOWEEK, hosted by Zur Moshe community. The tour included visits to the proposed site for the restoration of 'Homa & Migdal' (wall & tower), the 'Clemantina' (Citrus) House, and the Art Gallery located in the former silo factory.

The team divided up into three groups to develop a variety of design solutions, starting from macro scale and the re-organizing & planning of the Zur Moshe center; proceeding with the micro scale, and the design of two abandoned buildings. The aim was to re-design them for new uses, upgrade them and improve their environmental behavior. Two new uses were introduced: one serving the community and one to promote tourism.



The Cultural Center

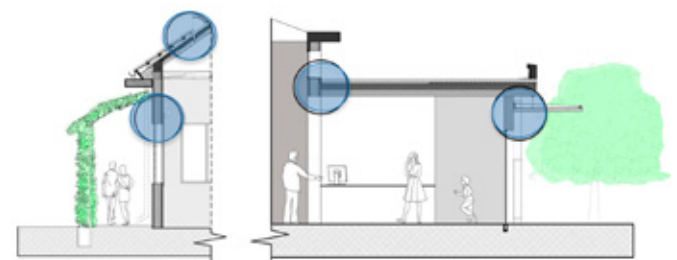
The team proposed a new cultural center for the Zur Moshe community and for local visitors. The planning took into consideration the elimination of an existing road, in order to unify two fragmented open spaces into a new central main square for Zur Moshe. This new center, would have an open terraced amphitheater, and connections to local historic and cultural landmarks. The main square would also be surrounded by educational facilities (made of recycled and reclaimed materials) and community gardens that would generate small scale agriculture – the traditional occupation of the Zur Moshe community – serving as a means of transferring values from the elder to the younger generation. The design follows the principles of passive solar design and ecological buildings, combining landscaping solutions to the proposed buildings.

The Documentation Center

The 'Clemantina' (Citrus) House located on a hill near the entrance, was originally used as a bakery and later as a packaging facility for citrus produce. Today the building stands abandoned. The team decided to focus on this building, with historic value to the local community, and to give it a new use: a Documentation Center that will also incorporate ecological values. The proposed design is based on a continuous walk through the building, with documents, objects, archival materials placed and presented along along the path, connecting the historical material to the experience in the present. At the main entrance, also included in the new master plan, would be an exhibit of large scale equipment and machinery, directly related and extending the exhibition inside the building. The design of the building combines passive and active solutions to increase the environmental behavior and thermal comfort of the building, and reduce the use of energy for lighting, heating and cooling. All building aspects maintain Ecological fitted elements to achieve a better use of the energy. The existing walls & openings are based well enough to get the great circulation for it, and we chose a verity of improved details to gain this goal.

Silo Factory Art Gallery

The silo factory is a classic example of industrial architecture, used to store food. The silo factory is built of reinforced concrete, with drum shaped structures with intake at the top and emptying opening at the bottom. The team decided to locate in the building an Art Gallery and a café, offering a space for temporary exhibitions, that would attract local visitors. The design took into consideration natural daylight through existing openings, and maintaining the exterior building form, while replacing some of the exterior walls with transparent glass surfaces. They would serve both to increase daylight in the building, but also to increase passive solar heat gain in the winter. To increase natural ventilation in the building, the team proposed to increase existing openings and to add a wind chimney.





WORKSHOP Leaders:

Thomas Doxiadis (Architect, landscape architect, doxiadis+, Greece)

Gill Peled (Architect, eco-challenges, Israel)

WORKSHOP Team:

Luay Bader, Shmaya Shalev, Daniel D. Shorer, Mehtap Leyla Turanalp, Omri Ben Chitrit, Keren M. Relevy, Osher Frank, Abdullah Muhammed Dandees, Mariam A. Nammoura, Hazal Gümüş, Adi Cohen, Hanin Shavic, Deniz Öztürk, Massala Jahrah, Ala Alabed.

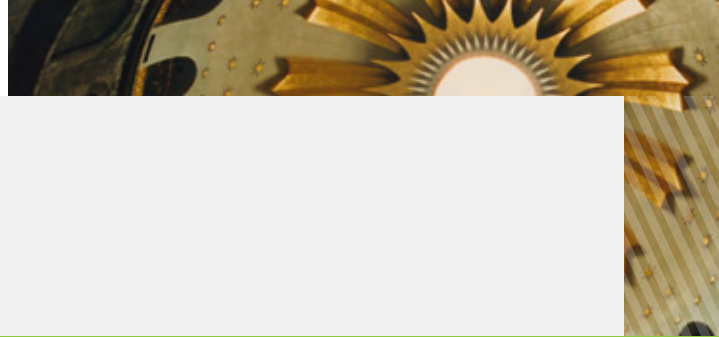
Church of Scotland Compound: Making Peace with Communities, Buildings and Landscapes

The Challenge:

This project was initiated by the Church of Scotland with the aim of creating an active and meaningful site for promoting peace and reconciliation among communities in and around the Holy Land. The team was faced with the challenge of proposing the distribution of the various spaces and functions among two sites, which are not connected and which have very distinct characteristics and merits. The team, comprising students and professionals from different countries and backgrounds, visited and critically analyzed the two sites.

The Sites:

The top site, sloping towards the east and adjacent to the Scotts Hotel and old city walls, has unobstructed views of the Sea of Galilee. Recently, ancient graves were unearthed on the site. The bottom site, adjacent to the waterfront and promenade, includes an existing protected historic building, used as a church and school. The site is close to the city, but is walled off and secluded.



The Design Concept:

A decision was made to develop proposals for both sites, connecting with and enhancing existing buildings and landscapes, enabling a phased development upon availability of funds.

The Peace and Community Garden proposed at the upper site includes a recycling and center, a communal vegetable garden, an outdoor gathering & seating area, a lower landscaped public garden with rain water collection, a biodiversity garden - enhancing local species of plants and insects.

The Peace and Reconciliation Center proposed at the lower site, includes the existing building with lobby, administration, catering facility, and dormitory, and a new building to house the assembly hall, flexible seminar rooms, an inner courtyard, an entrance lobby, all surrounded by a garden for recreation and activity.

Sustainability Strategy:

Land use: reclaiming disturbed area, maximizing uses of plots.

Water: retaining, collecting rainwater and dew for irrigation.

Waste: reduction of construction waste, reuse of materials on site, recycling facilities.

Energy: Natural ventilation and lighting, shading, passive heating, cooling, heat recovery, solar lighting, use of thermal mass.

Transport: pedestrian and disabled access, bicycle storage, proximity to bus / boat services.

Biodiversity: retaining local plant species, for birds, butterflies, small reptiles and animals.

Community: a community-orientated development use for gatherings and events, promoting peace and reconciliation processes at local and international levels.

Materials: use of reclaimed materials, on site, use of low embodied green sourced, recycled and recyclable materials.

Well-being: creating healthy & harmonious, accessible recreation areas.

Culture and Heritage: enhancing old city walls, existing listed building, prompting cultural dialogue.

The project was challenging at many levels, but the team managed to overcome cultural and language differences, creating new understandings and friendships in a very short period of time, suggesting that a design process based on sustainable principles can bring people together. In a way, the design process of the group, captured the true essence of the proposed Peace and Reconciliation Center in a very successful way.





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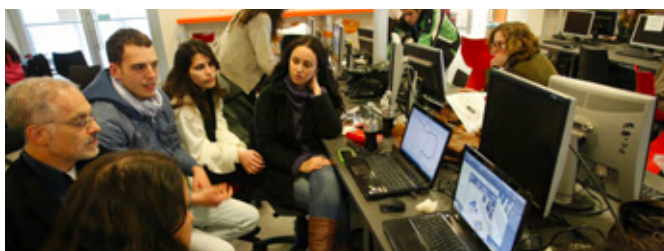
... habits change ... climate change

GREENHOUSE WORKSHOP

Lazarus Community Center at
Jessie Cohen neighborhood, Holon



‘Green’ Interventions at Community Center at Jessie Cohen, Holon



WORKSHOP Leaders:

Heidi Arad (Architect, Interior Design, College of Management, Israel)

Dr. Elias Messinas (Architect, ECOAMA, Israel/Greece)

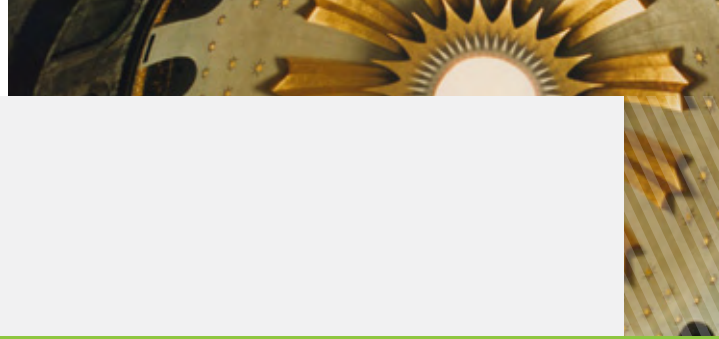
WORKSHOP Team:

Ofir Zur, Guy Weiner, Adi Ibn Ezra, Hagar Ovadiah, Dana Henan, Yael Dor, Galit Pinhasi, Mor Regev, Reut Ino, and Yaara Katz.

This is the first ECOWEEK GREENHOUSE project in Israel. The workshop was assigned a real project, carried out in collaboration and under the guidance of the Community Center director Yossi Zeide. The assignment included a number of small to mid-size interventions in the existing building, from a starting point of sustainability: increase of natural daylight, reduction of the need for mechanical heating and cooling, increase in the well-being of the users of the building spaces, and introducing materials which are softer, more natural and more friendly to the young users of the building. This is a real project, with a real budget, and the intention is to implement the interventions suggested for the building.

The team was divided up into smaller work teams that focused on the following assignments:

(a) Front elevation and entry to the building, including the public stairs leading to the main entrance and the front elevation signage. The team also included a small protected garden to the side, made more accessible and usable with the



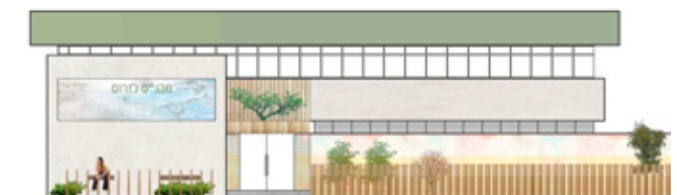
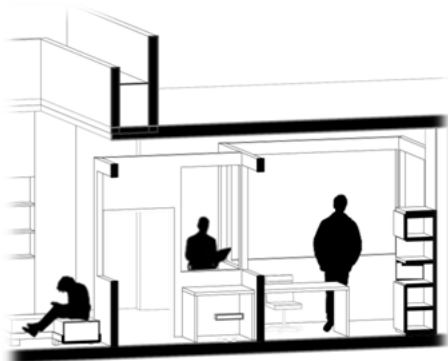
use of a wooden deck that combined vegetation for shading and places to sit.

(b) The entrance lobby, including the Community Center offices and kindergarten space. The offices were enlarged to accommodate the Community Center staff, and new materials and finishes were suggested.

(c) Another team investigated the transformation of the lobby skylight to increase natural light, combining vegetation and a creative way of integrating and presenting the works of children and youth.

(d) The playroom on the first floor was also assigned to the team, aiming to enliven this multi-purpose space, used by youth after school, offering different choices of games.

The ECOWEEK week gave the opportunity to the team to develop initial ideas and brainstorm on the possibilities of these assignments, bringing forth a number of creative and innovative 'green' design ideas. The second phase of the project is to develop these ideas further, to the point of construction documents, with the goal to implement the project by the end of the summer 2012.



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