URBAN HORTICULTURE IN BOLOGNA
A key role for research and training

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RESCUE-AB aims at turning the city into a diffuse eco-laboratory, where research activities may take place, linking together the different experiences of urban horticulture and ecology, from the historical urban social gardens, to the recent initiatives of roof gardens, from the community horticultural experiences to the school gardens, toward the global aim of creating a network of green corridors across the city.

RESCUE-AB aims at promoting, within the already present, currently built and future city green infrastructures, researches in the fields of:
- social and sustainable urban horticulture;
- soilless systems;
- urban biodiversity and agro-ecology;
- urban beekeeping;
- organic pest control in the urban environment;
- quality of urban vegetable crops.

The center also include the Code-crop Laboratory of Cooperation for Development for Crop Sciences.
Experiences of Urban Horticulture in the South of the World
Trujillo, Peru
Teresina and Salvador, Brazil
Tagant, Mauritanie
Current and past urban horticulture projects of UNIBO

Teresina and Salvador, Brasile
Ouagadougou, Burkina Faso
Assaba, Tagant e Hod el Chargui, Mauritania

Trujillo and Lima, Perù
Yangon and Dry Zone, Myanmar
Ilha de Santiago, Cabo Verde

Abidjan, Costa d'Avorio
Bologna, Italia
Gardens, in our cities
Simplified hydroponic systems for home vegetable production...
... including vertical gardens ...
... and aquaponics
Social housing buildings, via Gandusio, Bologna
Schoolyard garden, vertical garden

Recycle materials
Reduce the waste of water
Schoolyard garden, aquaponic garden
Schoolyard garden, biodiversity garden

Increase biodiversity
Pollinators
Schoolyard garden, Small wind turbine and photovoltaic
The aromatic garden between blocks of flats in popular neighbourhood
Studies on the physiology and quality of urban grown vegetables
HORTIS – Project funded with the support of the European Community within the framework of the Lifelong Learning Programme, sectorial programme Grundtvig for adult education.

HORTIS is coordinated by the Department of Agricultural Sciences of the University of Bologna (Italy) and it includes partners from several European Countries:

- **Germania**: Workstation ideenwerkstatt berlin e.V.
- **Ungheria**: Corvinus University of Budapest e Magyar Biokultúra Szövetség
- **Italia**: Horticity, Mammut Film e Amitié
- **Spagna**: Universidad Politécnica de Cartagena e Fundación Tierra Integral
HO**RTIS** aims at the following objectives:

- To develop a set of *educational material* on the various aspects of urban and social horticulture.
- To organize *training courses for trainers* on the subject of urban horticulture in the cities of Bologna (IT), Berlin (DE), Budapest (HU) and Cartagena (ES).
- To organize *pilot courses on gardening and urban horticulture for adults*.
- To create a *web multilingual and interactive portal* for the diffusion of the educational materials developed within the project and encourage the communication and collaboration among the different users.
HORTIS develops educational material that are intended to serve everyone, such as:

- **Practical tutorials** such as short videos
- a set of illustrated and easy to use “cards”, with photos and drawings on the main steps from soil preparation to harvest.

**HORTIS** will also produce specific educational material for **TRAINERS** and specifically manuals on:

- The sustainable urban garden
- Soilless systems for urban vegetable production
- Social urban horticulture
- Urban garden cultivation systems
- ZeroKM agriculture
HORTIS also aims at the promotion of urban and social horticulture through a variety of actions and activities such as:

- Organization of events in each country and city involved:
  - Promotional events
  - Dissemination events
  - International conference

- Promotion of the collaborative opportunities among those that are interested in urban and social horticulture

- The production and diffusion of a video and promotional tool-kit, including a DVD, on how to create an urban garden and a kit of seeds.

HORTIS last 2 years, from January 2013 to December 2014.
The next project for Bologna
Community garden

Urban microfarm system
Smart gardens way

Biodiversity

Urban ecology

Training
The smart gardens way

Il Virgolone con Serra (The virgolone greenhouse). Antonio Scarponi / Conceptual Devices, elaborated from a photo by Francesco Calzolari.
... and creating small biodiversity incubators (GreenNests) in urban marginal areas...
Thank you for your kind attention!

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