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**Aula 27 - CNR di Pisa, Via G. Moruzzi 1**

# Areaperta

## Incontri satellite

### **EXTENSIVE GREEN ROOFS in Mediterranean regions: can they be designed for biodiversity?**

**Chiara Catalano**

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From pilot projects in Switzerland, biodiverse green roofs are now mainstream worldwide. However, how to best adapt the biodiversity design approach from Temperate to Mediterranean climate, is still merely theoretical. The reasons are: the major green roofs norms, standards and guidelines neglect biogeographic regions and plant-soil relationships; habitat template approach developed by ecologists encountered the reluctance of designers and landscape architects; the species selection and assemblage is still driven by aesthetic reasons.

### **SMARTRoofs: integrating climate adaptation with green roofs and solar energy production on buildings**

**Stephan Brenneisen**

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Cities are challenged to adapt to climate change and implement green roofs as a measure for cooling buildings and the urban atmosphere. Since roof tops got more and more used as well as place to install pv panels to produce solar energy, the world of urban planners got challenged with the question if and how can this two ecological measures be combined. Combining the two technologies is common in many countries in the world. Actual knowledge and experience provides enough information how the combination of the two technologies from planning and legal perspective.

