

## Context

The influence climate has on Architecture, with reference to the quest for Sustainable Development, is a core activity of the research projects and international conferences organised by SETA Network, which include interdisciplinary exchanges with connected universities and research institutes and the creation of an international Internet Portal for Sustainability, Energy, Technology and Architecture.

**International institutions, research institutes, universities and industry partners in the field of photovoltaics, sustainability and energy supply**

- Training, research, information and documentation activities related to environmental issues and sustainable development
- SETA Network plans to integrate its activities with the Sustainable Building & Construction Initiative (SBCI) of the UNEP Division of Technology, Industry and Economics (Paris)

- SETA Network intends to give visibility to local, national and international Education for Sustainable Development (ESD) activities and initiatives
- SETA Network intends to integrate with the national and international activities of the **Decade of Education for Sustainable Development (DESD)**, the objectives of its projects being directly correlated with the international aims and objectives of the Decade.



**SETA Network**

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## SETA Network Key areas:

- **Sustainability & Energy Efficiency**

- **Renewable Energy:**

Photovoltaic,  
Solar Thermal,  
Wind, Geothermal,  
Biomass

- **Ecology:**

Materials, Lifestyle,  
Architecture, etc.

- **Technology:**

PV, Materials, Wind,  
**Energy Efficient  
Technologies**

Ecological Construction  
Methods

**SETA Network**  
Sustainability  
Energy  
Technology  
Architecture

SETA Network Sustainability - Energy - Technology - Architecture

**S**ustainability  
**E**nergy  
**T**echnology  
**A**rchitecture

**N e t w o r k**



**SETA Network**

# SETA Network : Your partner in Sustainable Building technology and BIPV research/consultancy



## SETA Network is connected to

Universities and Research Institutes, and to UNESCO, UNEP, WGBC, the PV Industry and Energy Suppliers

Research in Sustainable Buildings and BIPV, for a Sustainable Future

## Fields of Action

SETA Network intends to act in the field of **renewable energies**, their application in **sustainable architecture, and energy efficiency in the building sector**, in the framework of the European Commission's 20-20-20 target, the revised EPBD and enhanced Energy Performance in new and existing Buildings. Furthermore, SETA Network works to expand the interdisciplinary approach in this area, in collaboration with national and international research institutes.

SETA Network integrates the newest technologies in the field of renewable energies (particularly Photovoltaics and Building Integrated Photovoltaics, etc) and encourages an interdisciplinary exchange of information.

**Sustainable Buildings, Renewable Energies, New Technologies, Urban Development.**

## Intelligent Building and BIPV Alliance

The Intelligent Building & BIPV Alliance is an initiative organised by SETA Network in order to promote - among its members (Building Industries, PV Manufacturers, Energy Suppliers, etc.) - research, information and documentation activities in the field of BIPV, for use in environmental design processes, integrating renewable energies and sustainable development.

The Alliance facilitates the collaboration between high-level internationally recognized research institutes and connected industries for the development of new materials and smart BIPV components. The Alliance favours the interdisciplinary exchange of knowledge and methodologies, improving research on environmental architectural aspects.

## Activities

These are to involve the fields of Renewable Energy, Technology Application (BIPV etc.), Sustainable Architecture, Energy Efficiency, Climate Change, etc.

- International Conferences
- Workshops/ Summerschools
- E-Learning Courses
- International Publications
- Information Exchange between Network partners / Dissemination of research results
- Library, books, journals, etc
- Professional courses
- etc.

## Partners

- UNEP - DTIE / SBCI Initiative, Paris
- ADEME, France
- World Green Building Council
- ISES Italy, Rome
- ISET/Fraunhofer Institute, Germany
- University of Berkeley, USA
- University of Ayn Sharms, Egypt
- Middle East Technical University, Turkey
- University of Cyprus, Faculty of Architecture
- Ecole Nationale d'Architecture, Morocco



Sustainability  
Energy  
Technology  
Architecture

## Sustainable Architecture

Important Factor in the actions against climate change. Buildings are responsible for 50% of total energy consumption world-wide. Responsibility of Architects and Engineers for Sustainable Development

## Technology and Information Exchange

SETA Network supplies a high-profile exchange of information and technology knowhow between network partners and energy suppliers