

The University role for the Environmental Education

Politecnico di Torino: experience, results and opportunities



POLITECNICO DI TORINO

Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture

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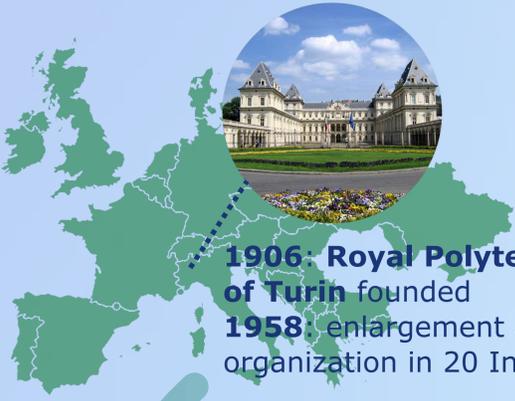
Politecnico di Torino, Department of Environment, Land and Infrastructure Engineering (DIATI)

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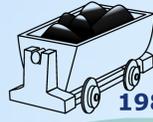
** Quality and Third Mission Officer

*** Chairman of the Commission of Environmental and Land Engineering

**** Director of the Department DIATI



1906: Royal Polytechnic of Turin founded
1958: enlargement and organization in 20 Institutes



1982-1983

Mining Engineering;

Topography and **Geodesy**; Ore deposits and applied Geology flow into a single Department

The '90s in Italy



1993

~~Degree in Mining Engineering~~

Degree in **Environmental and Land Engineering**

Some figures

@PoliTo: 33.000+ students (16% international)
22 BSc + 29 MSc programs, 15 curricula in English

@DIATI:
BSc and MSc in **Environmental and Land Engineering** (350 + 300 students)
MSc in **Petroleum and Mining Engineering** (150 students)
PhD program in **Civil and Environmental Engineering**

1993
Hydraulics, Transports and Business Organization flow into a new single Department

2012
Departments merge into

DIATI Environment, Land and Infrastructure Engineering

| ENVIRONMENT | LAND | INFRASTRUCTURES |
|--|---|----------------------------------|
| # Remediation of polluted sites | # Collection and management of territorial data | # Transport infrastructures |
| # Pollutants dynamics in air, soil and water | # Land monitoring systems | # Road, railways and airports |
| # Waste and wastewater treatment | # New excavation technologies | # Tunneling |
| # Environmental sustainability (LCA) | # Stabilization of rocks and slopes | # Water and energy production |
| # River hydraulics and morphodynamics | # Search and analysis of fluid resources in the subsoil | # Water distribution systems and |
| # Global water resources for food production | # Stones and industrial minerals valorization | # sewers |
| # Water-food-trade nexus | | |

Our public(s)

- Business & Industry** (Technology Transfer)
- Policy makers** (Evidence-based decisions)
- Citizens** (Information, education, engagement)
- Pupils/Students** (Education)
- Teachers** (Train the trainers)

Technology transfer & **public engagement** (so-called "Third mission")

NOON TALK @ DIATI
Scientific and technical seminars by external experts

Talks in the Library
Open talks exploring the links between environment and culture, philosophy, anthropology...

OPEN DAYS

Daily posts and tweets on social media

openlab DIATI
Guided visits to Dept.'s Labs

Exhibitions and guided visits

Student Teams

GreenCoffee
popular science seminars on selected topics of public interest

ScuolAmbiente
Short lectures in secondary schools

Future challenges

Keep a **broad view** on key issues

Empower future researchers' and professors' **soft skills**, including **ability to communicate** to different targets

Want to know more?

#professors
www.researchers.polito.it/en/careers/

#students
<http://international.polito.it/>

#public
www.diatl.polito.it/en
www.diatl.polito.it/en/third_mission



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