2008 - 2018
10 Years of Graduate Research and Innovation in the UAE

EPFL Middle East

- MSc (MES) pioneer in Switzerland -2011
  Anticipation of the 2050 Energy transition.

- Interdisciplinarity (MSc, PhD)
  Energy efficiency, Renewable energies, Resources

- Dynamic region, trans-climatic approach
  Scientific portability, Relevance, Impact.

- Swiss values and outreach
  Education, Cleantech, Sustainable strategies

- International diversification of funding
  A complement to EU, CH-ASIA (UAE, SPORE).
Master program – overview

As of Sept. 2017:

- 7 editions, ongoing, 9 labs, multidisciplinary
- >1000 applications
- ~220 admissions
- 150 Students and alumni
- >100 MSc degrees @ Sept 2017
- Standard EPFL selection
- MIT, EPFL, ETHZ, Tsinghua, IIT, etc.
- Only 1 similar program: ERG (UC Berkeley)

Since 2011:

Overall students average: 5.25 /6
ECTS average: 123
OAQ/CTI 2015, (2018 in process)
Academic impact (high-level numbers 2009-2017)

- **150** MSc will have been or will be in the Master program, in Sept. 2017, **12** PhD theses.
- **>200** scientific publications, 40 by students (PhD & MSc).
- **>200** contributions to conferences, 75 by students (PhD & MSc).
- **>100** MSc internships (industry, government, NGOs) with **33** industrial relations and partnerships.
- **10** Courses and workshops of Executive Education, largely in the UAE, 200+ participants.
- **>100** instances of positive scientific media exposure.
- **2** start-ups (CH, UAE)
- **Positive reviews by Swiss interests** (CH and UAE, Government and private)
- A unique proposition for students to shape a transforming environment
- Impact of academic projects to date **-20'000 tCO2/year** (abated/preempted ~10/90)
- A positive cash flow for EPFL so far (22 USM$, 11 free).
Innovation and transfer (in a few concrete examples – PhD et MSc)

START-UP (CH)
2 PhD, several MSc.

START-UP (UAE)
2 MSc, several MSc.

Waste Management (UAE)
7 MSc, 3 graduate hires.
- 98% landfill diversion
- 400’000 tCO₂/year
5 years ROI
New revenues
EPFL graduates hires (RAK)
Industrial synergies

A school MINERGIE.ae
1 PhD, 3 MSc.

eSMART has invented the first interactive home-connected dashboard solution.

MINERGIE®
250 kWh/m²/yr
37
1000+ have engaged to date (incl. 30+ profs, 30+ CI, 500+ students)
Looking ahead