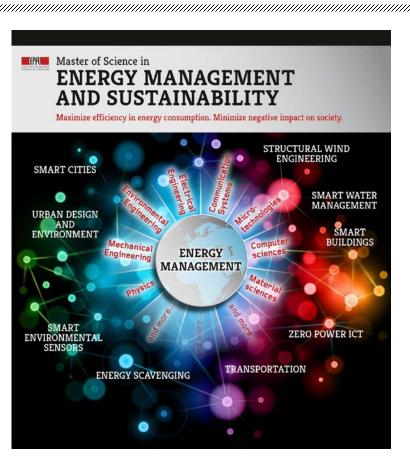


Strategy and scientific positioning (2009-2017)

- 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

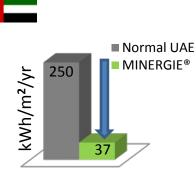
EPFL graduates hires (RAK)

Industrial synergies



A <u>school</u> MINERGIE.ae 1 PhD, 3 MSc.

L PND, 3 IVISC.





1000+ have engaged to date (incl. 30+ profs, 30+ CI, 500+ students)



