



Willkommen
Bienvenue
Benvenuti
Welcome
欢迎 大家

Bern University of Applied Sciences

Technology and Economics of Photovoltaics in Switzerland

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Information Technology**

www.bfh.ch

www.ti.bfh.ch



Facts about PV

New installed PV in CH 2010	ca. 30 MWp
Totally installed PV	ca. 100 MWp
Total energy produced by PV	ca. 90 GWh
% of total energy consumption in CH	ca. 0.1%
% of total energy consumption in Germany	ca 2%
Value chain in CH	ca 2 Mrd CHF
Export PV	ca. 95%

The Solar Energy has the largest potential

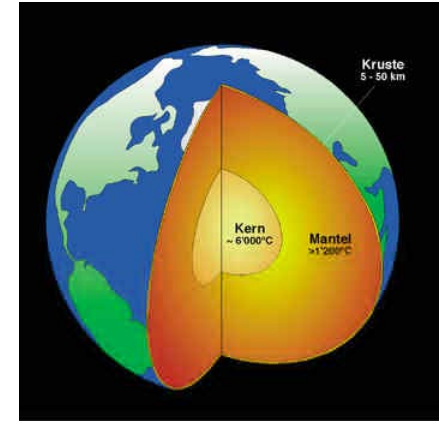
Solar

120 000 TW



Geothermie

12 TW



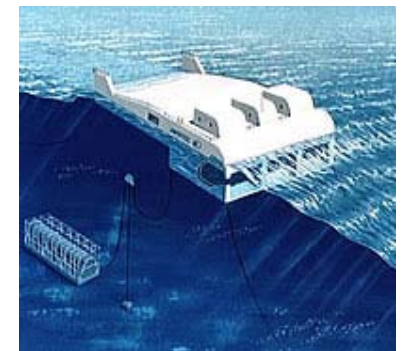
Wind

3 TW



Tides and Waves

2 TW



Waterpower

0.5 TW



Success-Stories

Spirit of Biel / Bienne

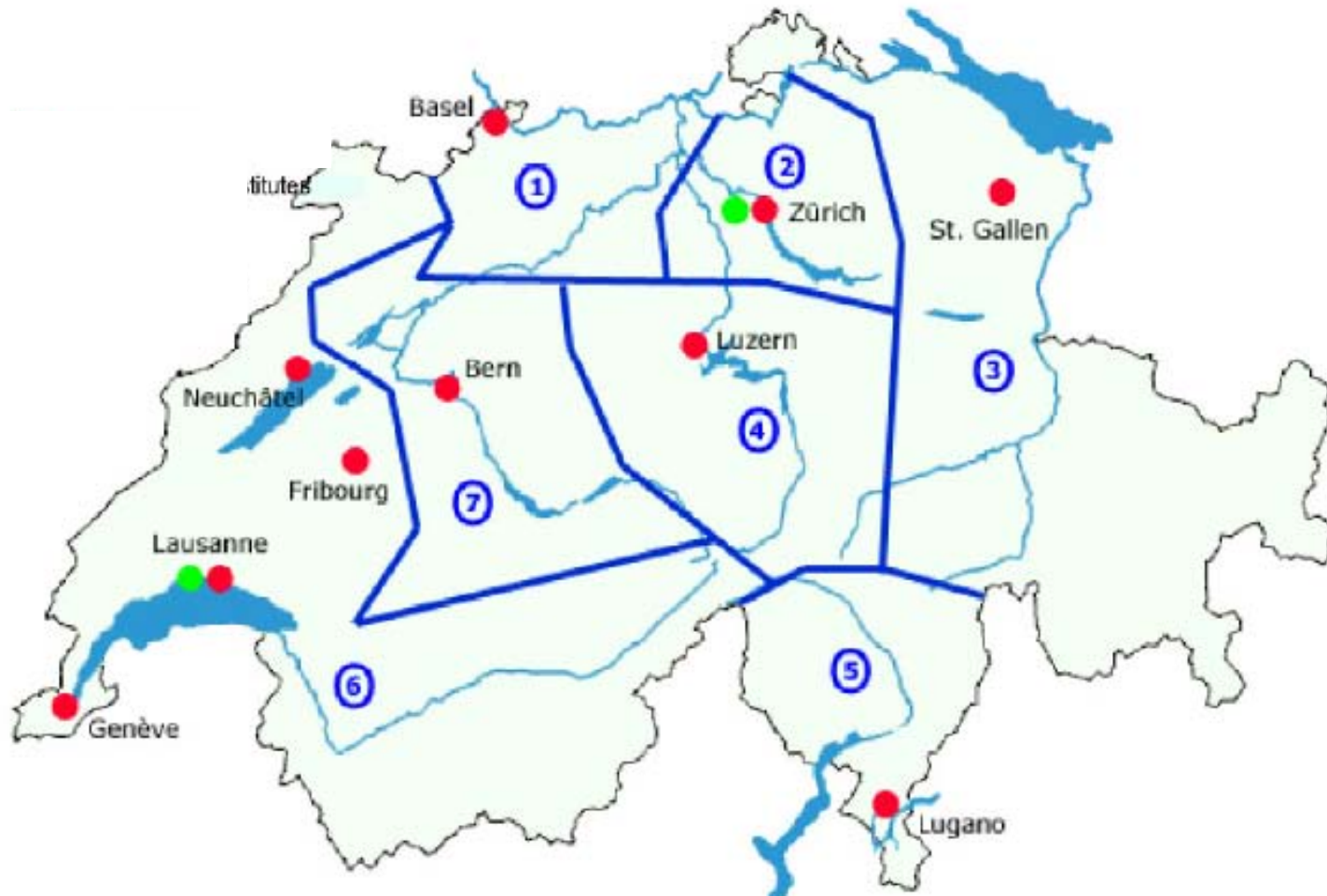
1. Rang am Tour de Sol 1986 in der Schweiz

1 x erster, 2 x zweiter und 1 x 3. Platz am World Solar Challenge



Universities of Switzerland

- 10 traditional Universities (100'000)
- ⑦ 7 Universities of Applied Sciences (50'000)
- 2 Swiss Federal Institute of Technology ETH (20'000)



University of applied sciences in numbers

Students

5000

Bachelor programs

26

Master programs

16

Diplomas per year

1'500

Staff

700 (Professors)

1200 (Teachers)

400 (Assistants)

Budget/year

200 Mio CHF (without SHL, EHSM)

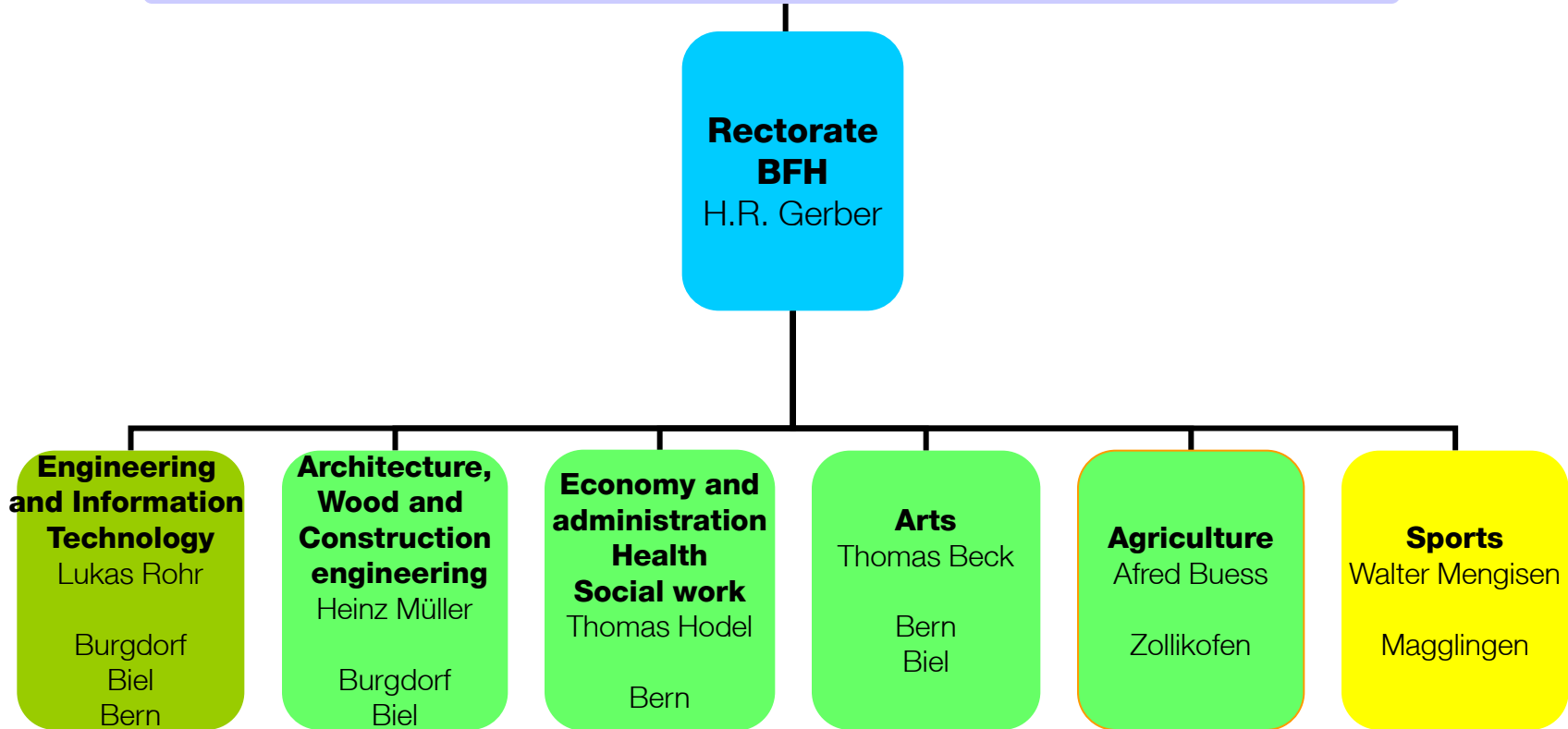
Gouvernement 70%

Third party funding 30%



Bern University of applied Sciences (AUS)

Board of University of applied sciences Dr. George Bindschedler, Präsident



Willkommen beim TI

3 sites
Biel (inkl. Vaufflin, Nidau)
Burgdorf (Gsteig, Tiergarten)
Bern (Wankdorffeldstrasse)

1000 Students (Bachelor)
100 Students (Master)
800 Students in continuous
education programs
300 Professors

65 Mio. Budget
davon
30 Mio vom Kt. Bern
15 Mio. Drittmittel aus aF&E
20 Mio Bund/FHV/Studiengebühren

Engineering and Information Technology

Bachelorstudies

- Automotive Technology
- Information Technology
- Medical Informatics (start 2011)
- Electro- und Communicationstechnology
- Mechanical Engineering
- Micro- and Medical Technology



Masterstudies

Master of Science in Biomedical Engineering

Master of Science in Engineering

Continous Education (Bern)

Innovation Management

International Management

Medical Technology, Medical Technology

Software School Switzerland

F+E-Institute der BFH-TI



- Institute for ICT-based Management



- Institute for Security in the Information Society



- Institute for Ubiquitous Mobile Communication



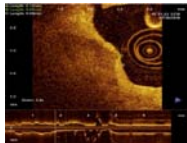
- Institute for Applied Laser, Photonics and Surface Tech.



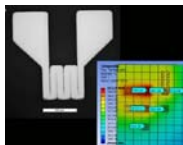
- Institute for Printing Technology



- Institute for Energy, Transport and Mobility



- Institute for Rehabilitation and Performance Technology



- Institute for Mechatronic Systems



- Institute for Risks and Extremes



- Institute of Human Centered Engineering

Some Spin off's





There is
always room
for the
leader!

ti.bfh.ch

Thanks for your attention!

Bern University of applied sciences

A direct way to success



Thank you!

