2016 Seminar on Brazilian-Swiss Scientific Collaboration

Bridging the Science Ecosystems of Switzerland and Brazil:

swissnex Brazil and the Aventura AtlantikSolar

26 April 2016, EPFL
Gioia Deucher
CEO
A few words about the swissnex network.
Mission: *Connecting the Dots...*
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...in science, education, art and innovation
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Apresentação
“Academia Industry Training”

Conectar pesquisadores-empreendedores com a indústria
Facilitar a cooperação entre pesquisadores internacionais

Studying in Switzerland

Atlantik-Solar
The first ever crossing of the Atlantic Ocean using a solar-powered Unmanned Aerial Vehicle (UAV)
Mission: Connecting the Dots...

...in science, education, art and innovation
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Going abroad with Science without Borders

Thinking about studying in Switzerland?

Principles of Swiss Innovation
Mission: Connecting the Dots…

swissnex promotes exchange and dialogue in order to facilitate knowledge transfer and cooperation among Swiss and international institutions and opinion leaders in education, science, innovation and the arts.
Aventura AtlantikSolar

Belém do Pará, October 2015
Aventura AtlantikSolar: main elements

AtlantikSolar drone
- Research project by ETHZ’s Autonomous Systems Lab
- Unmanned Autonomous Vehicle (UAV)
- Entirely powered by solar energy
- Equipped with various data capture / testing devices

Project in Brazil
- First long-haul flight over distance of 700km
- Resistance test under specific climatic conditions
- Capture of data and aerial images
- Several scientific events & conferences (public & private)

Objectives
- For ETH Zurich: technical tests, resistance test
- For local partners: sharing of data
- For both: first institutional approximation to establish new scientific partnerships / collaborations
Outcomes and lessons learned

Outcomes
- 2 drones crashed…. BUT:
- Consortium of local partners made project possible
- Technical test unsuccessful but insightful
  ➔ Signature of MoU with CENSIPAM for further scientific and technical collaboration between Switzerland and Brazil’s Amazon region

Lessons learned
- Focus not only on “usual suspects”: willing and highly capable / qualified partners across Brazil
- Niches of excellence and complementarity of knowledge, knowhow and resources
- Brazil as a premier “testing ground” for innovation
Obrigada!