

Technologie und Innovation – Regionale Komponente

Alexander Steinecker

Regional Development

CSEM – center Alpnach - OW

regionuisse.ch

Die Schweiz – an der Spitze des Innovationsrankings

Cornell
SC Johnson College of Business

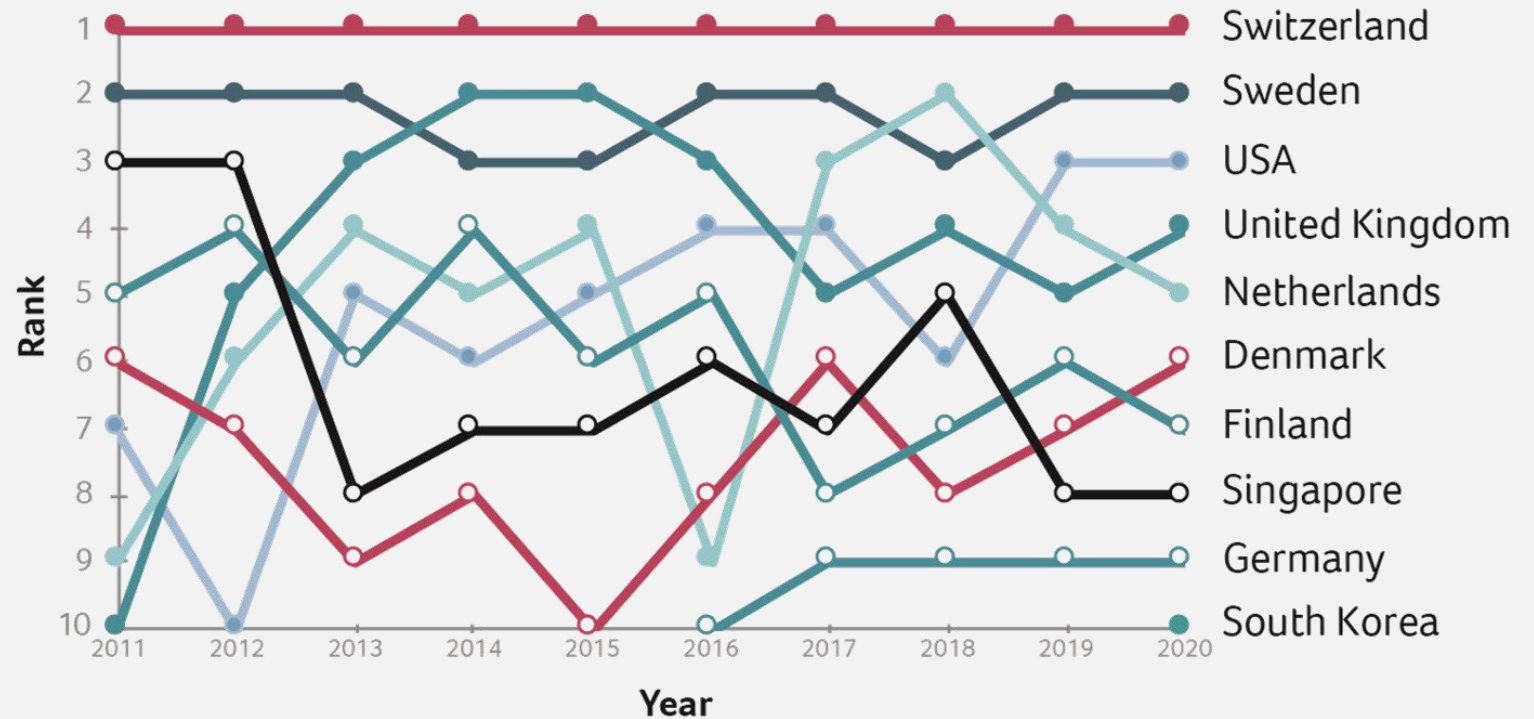


GLOBAL INNOVATION INDEX 2020

Who Will Finance Innovation?



GII rankings 2011-2020



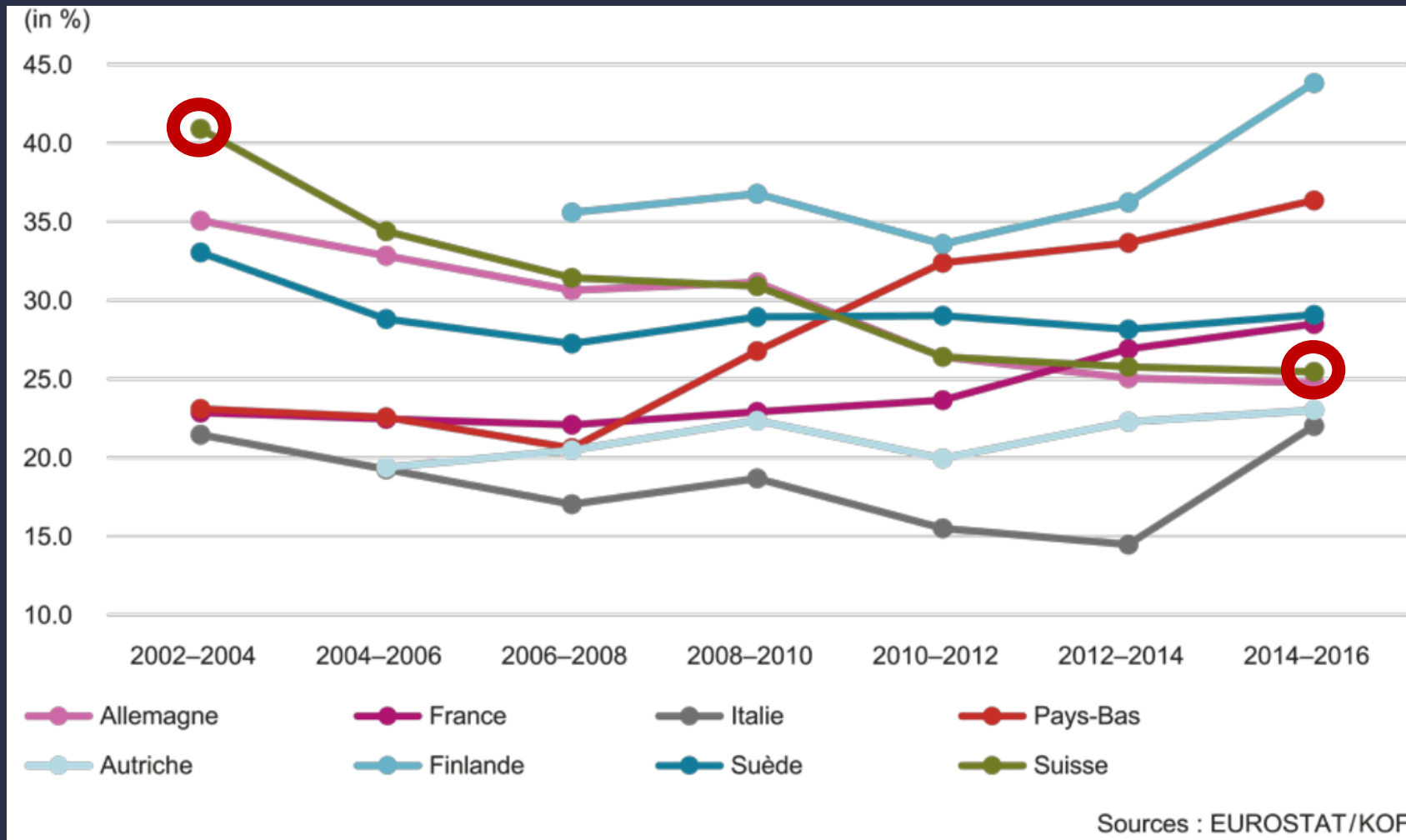
CII
Confederation of Indian Industry

DASSAULT
SYSTEMES

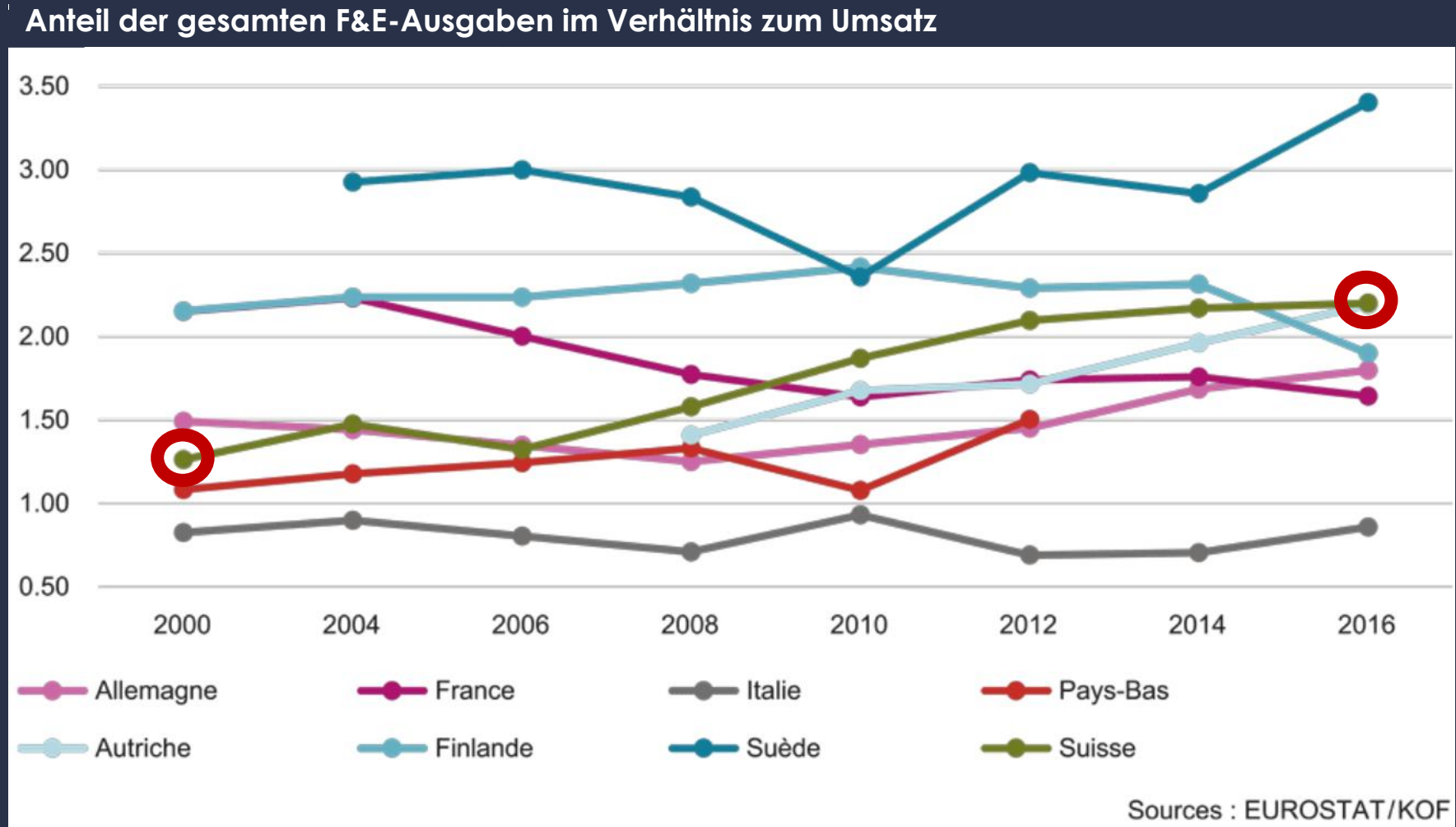
CNI
Confederazione Nazionale dell'Industria

... aber der Anteil Firmen mit F&E sinkt!

Anteil der Unternehmen mit Forschungs- und Entwicklungsaktivitäten



... aber F&E Ausgaben gesamt steigen!



Multinationale Unternehmen unterstützen F&E Wachstum ...



23 Mia CHF

70 % privat →

30 % öffentlich

davon $\frac{3}{4}$ von multinationalen
Unternehmen
($\frac{1}{3}$ der Arbeitsplätze)

Our **mission** ...

Development and transfer of world-class **technologies** to the industry



Close to **industry**, leveraging Swiss academic research

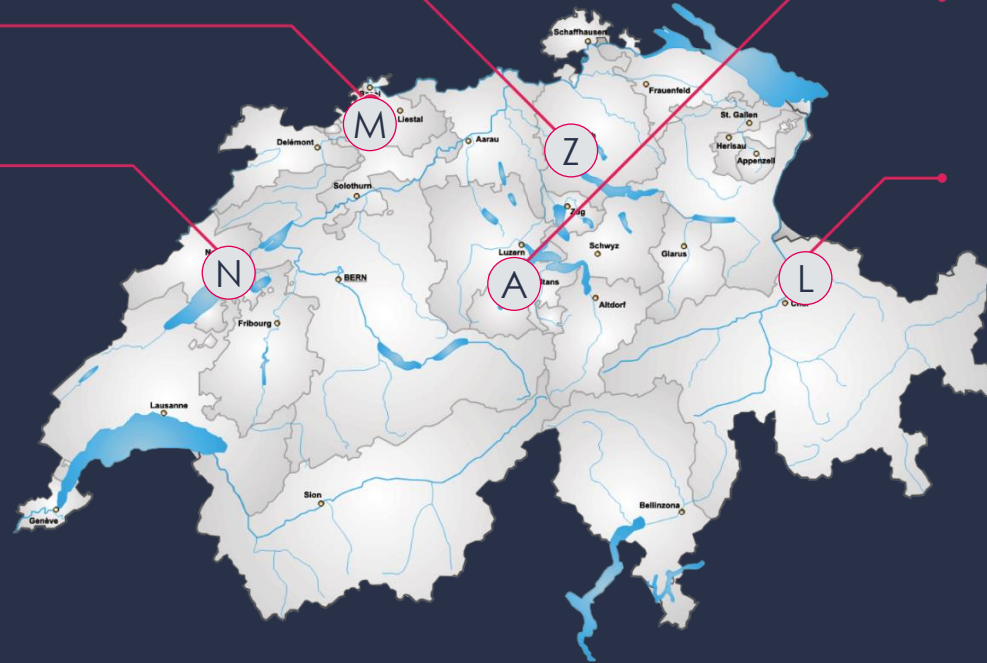
Zürich

Muttenz

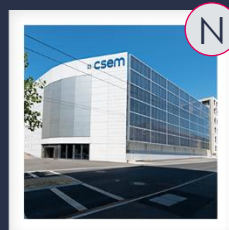
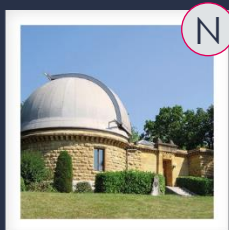
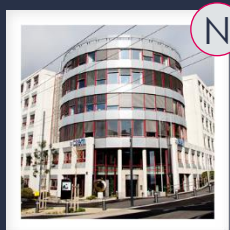
Neuchâtel

Alpnach

Landquart



7



CSEM at a glance



89.2

Turnover
(mio CHF)



44

Nationalities



525

Persons



44

New ventures

8



225

Industrial clients



210

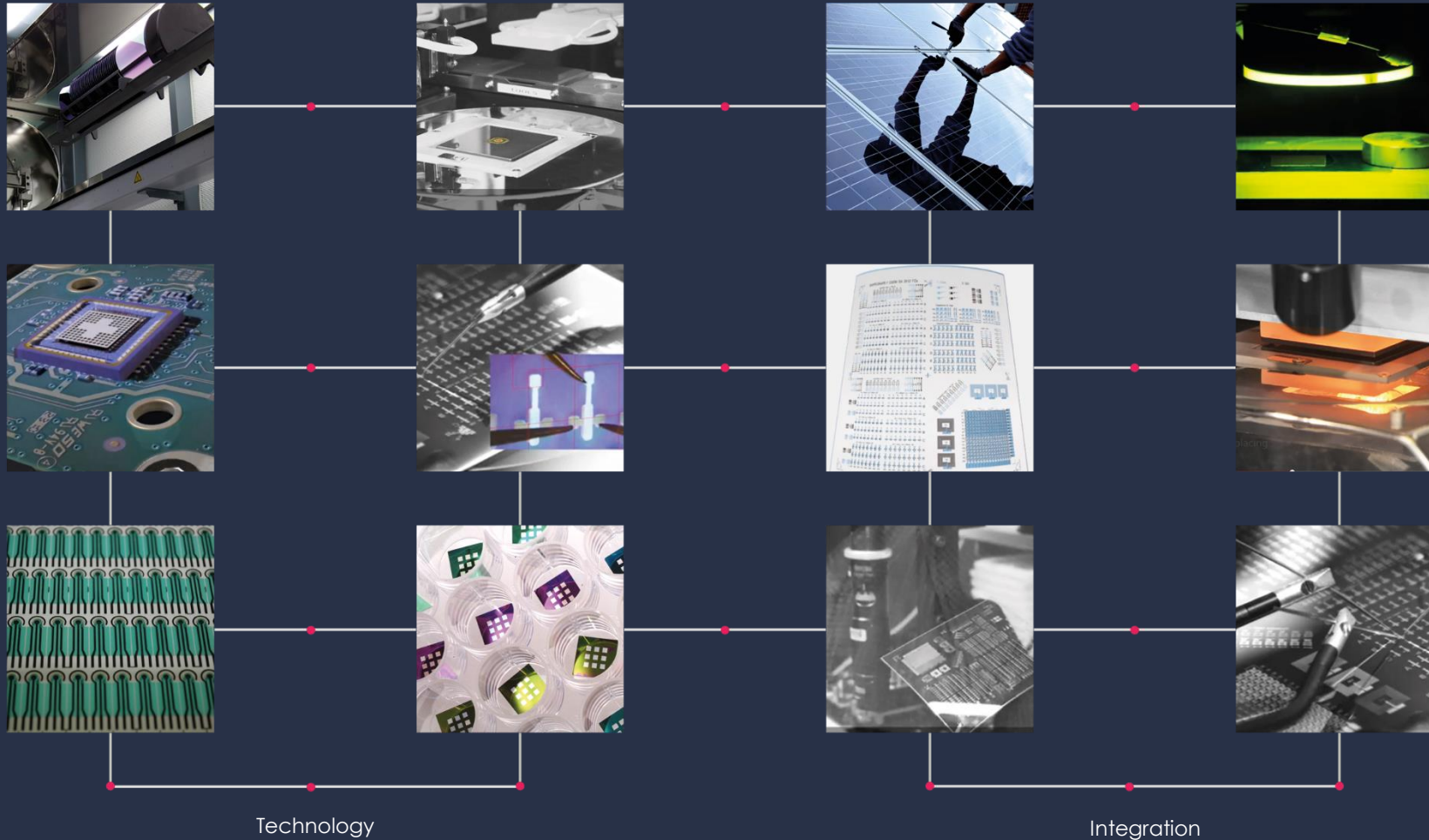
Patent families



80

European
projects

Pillars of our success : technology and system integration



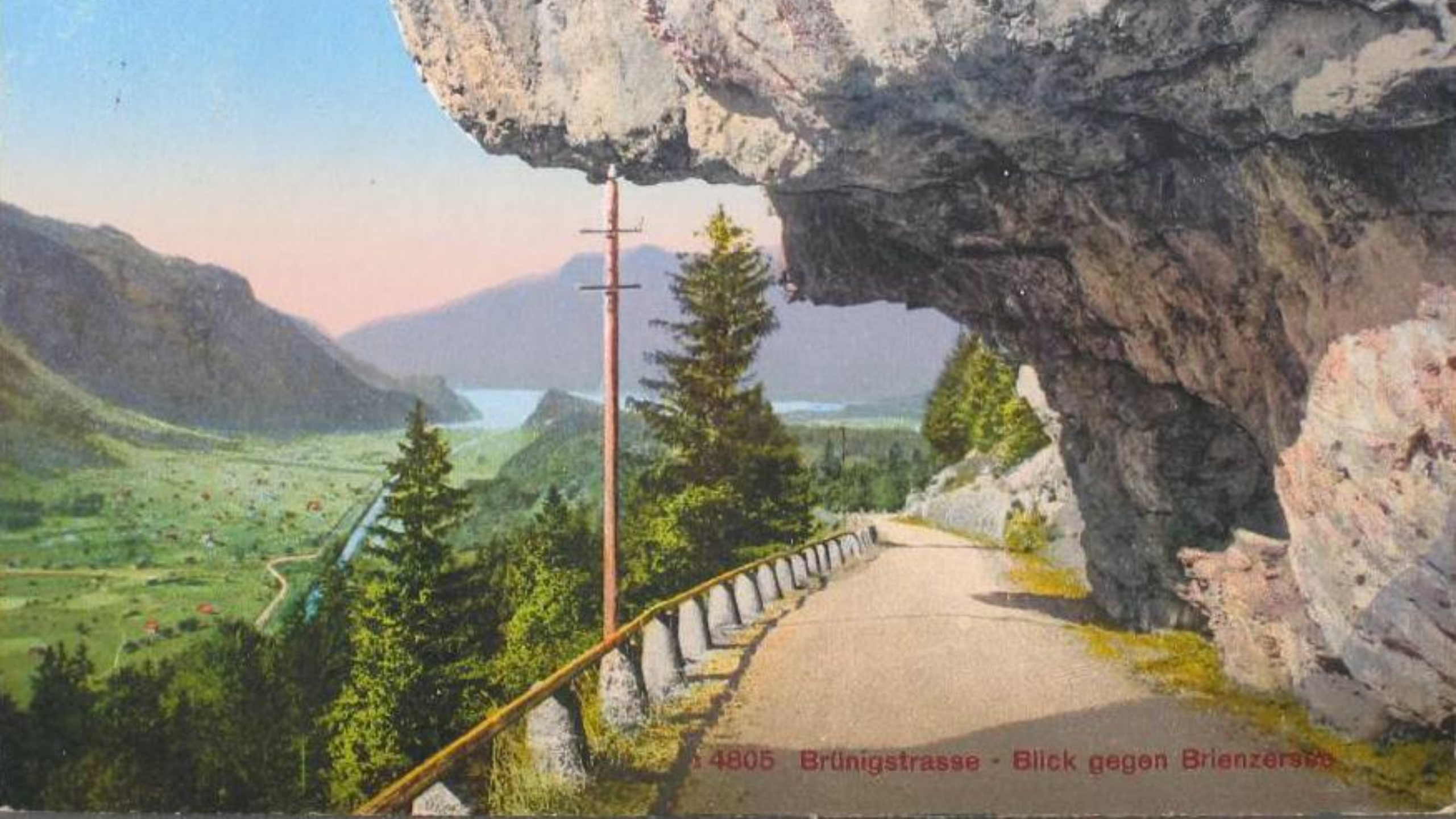
Regional Technology Transfer

- Technology?

Relevant USPs

- Proximity
- Common Culture
- Same Language
- Trust!





4805 Brünigstrasse - Blick gegen Brienzensee



Value Chain

- Gasser Felstechnik
Stabilization of rocks
Construction in critical areas
- Flotron
Measurement expert
Surveillance and monitoring
- CSEM
Technology Provider
Ultra-low-power & wireless devices





Technical challenges and end-user benefits

End-user

- Avoid cabling => no cable damage
- Short installation time => safety for workers

Technical

- Low-power wireless components with PV harvesting
- High Precision GPS (sub cm)
- Watchdog => Short term (crack meter) and long term (GPS positions of infrastructure)





WISEROCK

[Sensorknoten](#)

[Plattform](#)

[Anwendungsgebiete](#)

[Partner](#)

[Über Wiserock](#)

[Kontakt](#)



Wiserock – Natural Hazard Observation

**Wir erkennen Steinschläge, Bergstürze, Felsstürze und Murgänge:
intelligent, drahtlos, kostengünstig, hochzuverlässig – 24 Stunden
am Tag. Sogar in den entlegensten Gebieten.**

Lassen Sie sich beraten

Network – Network - Network

