



A light for Science, a vision for Industry.

E. Capria, Business Development Office



Röntgen, 1895

X-rays have been used for Science and Commerce since their discovery in 1895.

C. 1898: THE FIRST COMMERCIAL APPLICATION?

BEFORE LEAVING THE EXHIBITION
"SEE"
THE WONDROUS
X RAYS
The
Greatest Scientific Discovery
of the Age.

By the aid of the New Light you are
enabled to see

"THROUGH A SHEET OF METAL"

"THROUGH A BLOCK OF WOOD"

AND ALSO

"Count the Coins within your Purse."

ADMISSION - 3d.
OPEN ALL DAY.

X RAY PHOTOGRAPHS TAKEN.

STO



THE GRENOBLE INNOVATION CAMPUS



GIANT
INNOVATION CAMPUS

www.giant-grenoble.org

Grenoble Innovation for Advanced New Technologies

ESRF : AN INTERNATIONAL ENDEAVOUR



13 MEMBER STATES (since 23-07-2014)

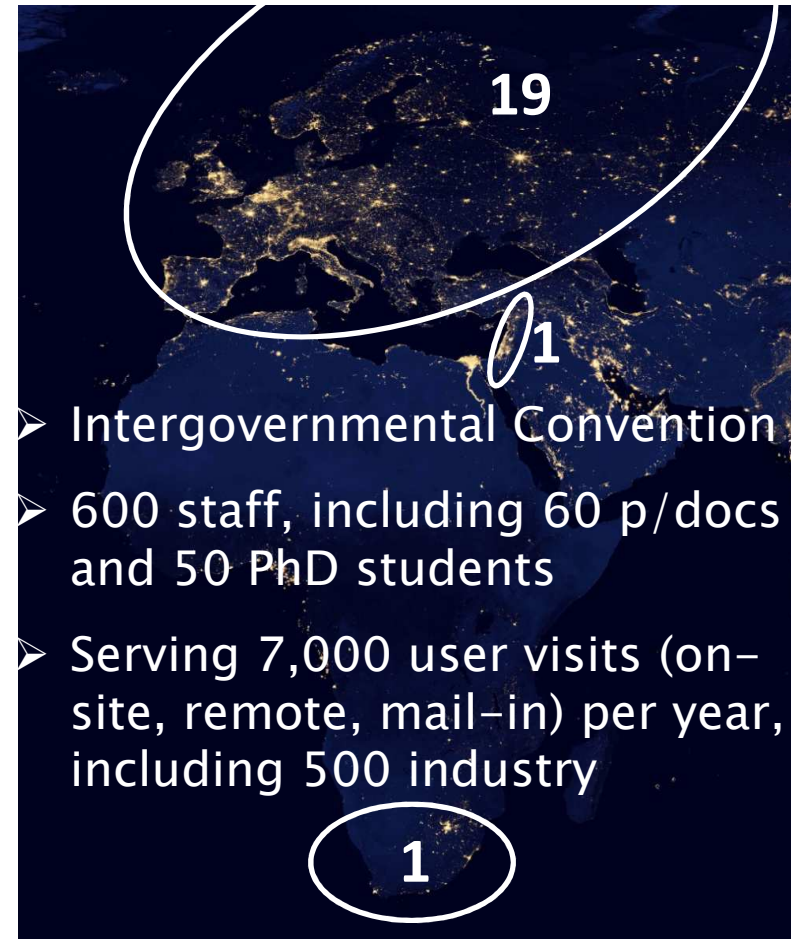
- FRANCE		27.5%
- GERMANY		24.0%
- ITALY		13.2%
- UNITED KINGDOM		10.5%
- RUSSIAN FEDERATION		6.0%
- BENESYNC		5.8%
- NORDSYNC		5.0%
- SPAIN		4.0%
- SWITZERLAND		4.0%

5 SCIENTIFIC ASSOCIATE MEMBERS

1 MEDIUM-TERM AGREEMENT MEMBER

8 STATES

- ISRAEL		1.50%
- AUSTRIA		1.30%
- CENTRALSYNC		1.05%
- PORTUGAL		1.00%
- POLAND		1.00%
- SOUTH AFRICA		0.30%



21 Countries

SOME OF OUR PARTNERS



HOW DO WE WORK WITH INDUSTRY?

SERVICES

**Competitive Research,
Often Mail-in & Rapid**

- Generates 1.5M€ annually
- 100 unique clients
- Industry from TRL 1-9

PUBLIC BEAM TIME

**~40% linked to Industry,
Must be published**

- Universities with industry
- Industry on its own

TECH TRANSFER

Instrumentation

- Licensing: 30 technologies
- In-house manufacturing
- Generates 0.5M€ annually

COLLABORATION & GRANTS

- Industry sponsored PhDs
- Joint CRO provision
- Horizon 2020



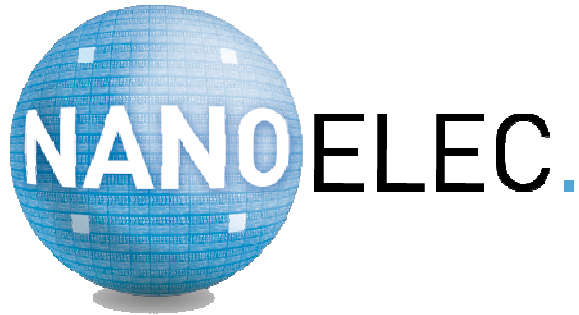


Google



The European Synchrotron | ESRF

BUILDING INDUSTRIAL CAPACITY & TRUST: A TWO-WAY ROAD



A French-funded PPP.

www.irtnanoelec.fr

Funding a Pathfinder Programme to create a better interface between the ESRF, ILL and the strategic nano/micro-electronics industry.

6.5M€ over 9 years for:

- 1. Sample preparation tools**
- 2. Facility development**
- 3. Proof of concept studies**
- 4. Business development**



KNOWLEDGE SHARING WITH INDUSTRY



Det	Mag	09/06/13	ρA	I-Beam	FWD	Tilt	5 μm
CDM-E	12.0 kX	15:53:14	31.0	30.0 kV	16.5	-0.0°	

Si - Wide I/O Memory

Si - S

llar



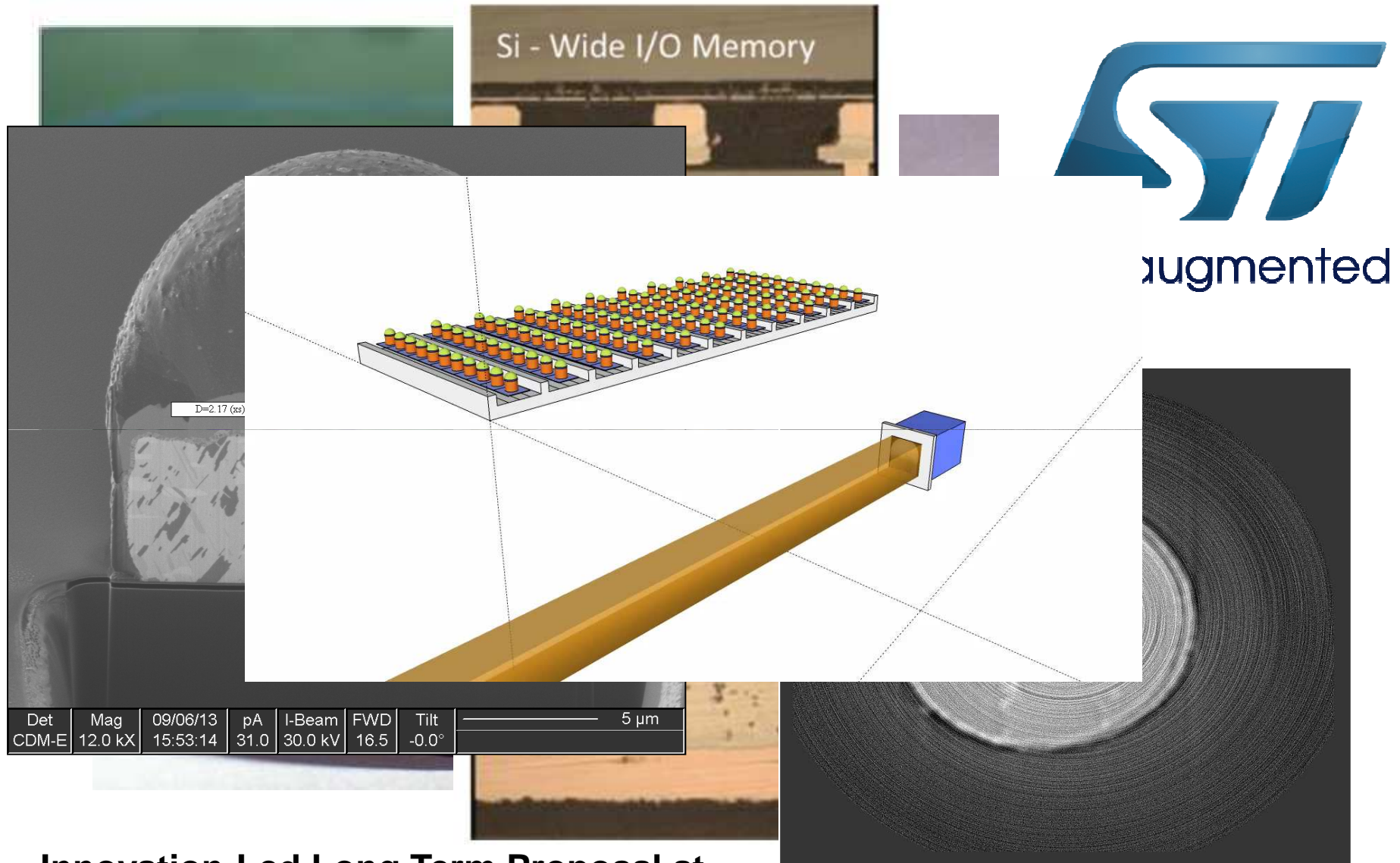
life.augmented



GO TO VIDEO!

**Innovation-Led Long Term Proposal at ESRF = Publicly available results
Collaboration ST-CEA-ESRF**

KNOWLEDGE SHARING WITH INDUSTRY



Innovation-Led Long Term Proposal at ESRF = Publicly available results
Collaboration ST-CEA-ESRF

A LIGHT FOR SCIENCE, A VISION FOR INDUSTRY



Open. Creative. Innovative.

Thank you for your attention.

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