



**Big Science
Business
Forum
2022**

SME involvement in Big Science

Session C4

Big Science
Business
Forum
2022



DANISH
TECHNOLOGICAL
INSTITUTE



SME involvement in Big Science

Nikolaj Zangenberg, Danish Technological Institute

Worked as ILO for: CERN, ILL, ESRF, EuXFEL + part of BigScience.dk





TECHNOLOGY FOR A BETTER FUTURE



DANISH
TECHNOLOGICAL
INSTITUTE

BigScience.dk – ILOs since 2010



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CERN

“As an ILO function they punch well above their own weight”

- Anders Unnervik, indkøbschef, CERN



CERN arbejder med grundforskning inden for partikelfysik ved studier af kolliderende højenergi partikelstråler. CERN finansieres af 20 medlemslande, der betaler et bidrag proportionelt med deres BNP. Med konstruktionen af LHC (Large Hadron Collider, operationel fra 2011) kan kollisioner mellem protoner eller blyioner med energier op til 7 tera-elektronvolt studeres. Partikler trækkes desuden ud i diverse andre testfaciliteter og bruges af besøgende forskere til studier af materialer og strukturer på atomart niveau og til kerneforskning.



*Interview med
Anders Unnervik
indkøbschef, CERN*

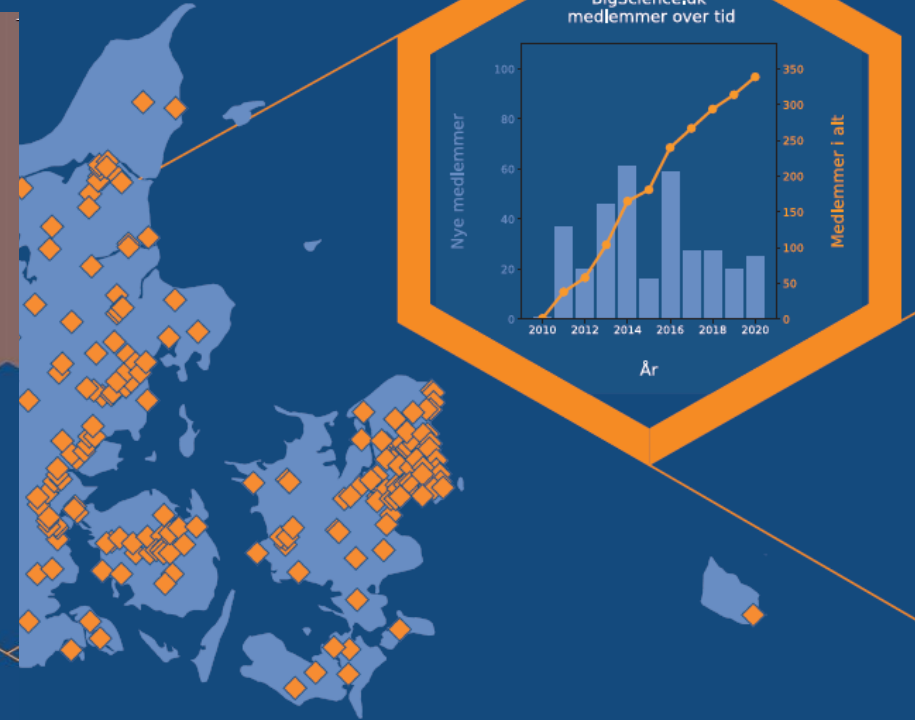


CERN works with fundamental research within particle physics by studying colliding high-energy particle beams. The beams are directed to test facilities, where materials and structures on the atomic level are examined.

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BigScience.dk-netværket

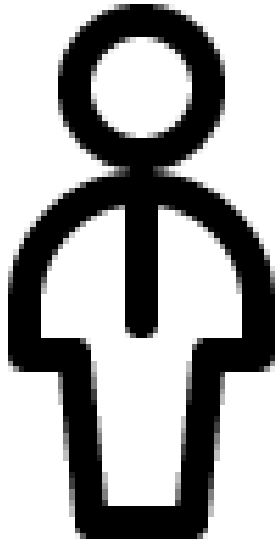
På kortet ses, hvordan medlemmerne er spredt i hele landet, og grafen viser netværkets vækst i perioden 2010-2020. Udviklingen er gået særligt hurtigt i årene med ekstra ressourcer 2013-2014 via Vækstmotorprojektet og i 2016 via Interregprojektet "ESS & MAX IV Crossborder Science and Society".



Big Science Business Forum 2018 in Denmark

PERIAA

(National ILOs for Big Science facilities)



SME involvement in Big Science

15 min pitch:

- AVS - **Miguel Angel Carrera**
- TISICS LIMITED - **Michael Rix**
- REUTER TECHNOLOGIE GMBH
- **Florian Reuter**
- E4 COMPUTER ENGINEERING S.P.A.
- **Daniele Gregori**
- MAGICS INSTRUMENTS - **Jens Verbeeck**
- VAKUUM PRAHA - **Marek Rachac**
- MARK & WEDELL - **Torben Ekvall**
- DAES - **Francois Plewinski**

13:00-13:30

- Round table discussion: Being an innovative SME in the Big Science marketplace



Daniele Gregori
E4 COMPUTER
ENGINEERING S.P.A



Florian Reuter
REUTER TECHNOLOGIE
GmbH



François Plewinski
DAES



Jens Verbeeck
MAGICS Instruments



Marek Rachac
VAKUUM PRAHA



Michael Rix
TISICS



Miguel Angel Carrera
AVS



Torben Ekvall
MARK & WEDELL

SME involvement in Big Science

Round table discussion:

”Being an innovative SME in the Big Science marketplace”

SME involvement in Big Science

Thank you!

See you at the reception at the Danish pavillon (01-04) 6:30 pm

