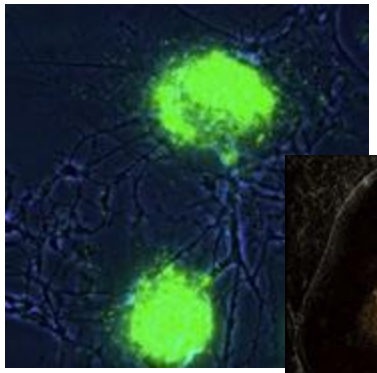
INSTRUCT integrating biology

Providing access to state of the art structural biology infrastructure for researchers

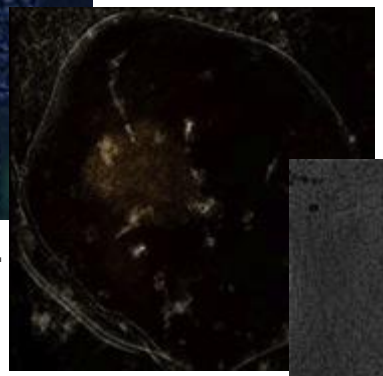
March 2016

Increasing biological complexity and integrity

- Real challenges for managing data to integrate outputs

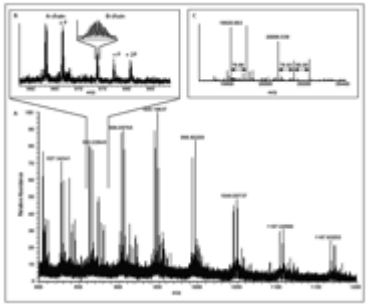


Fluor. microsc.

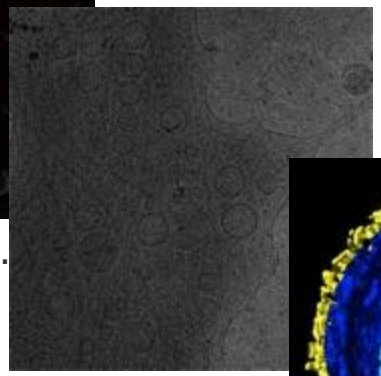


X-ray microsc.

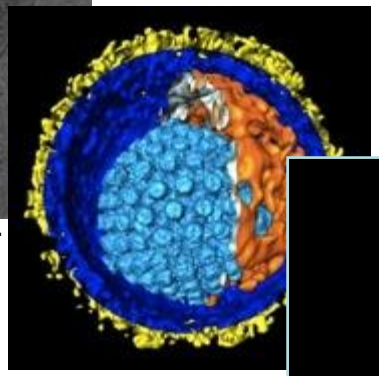
small-angle scattering



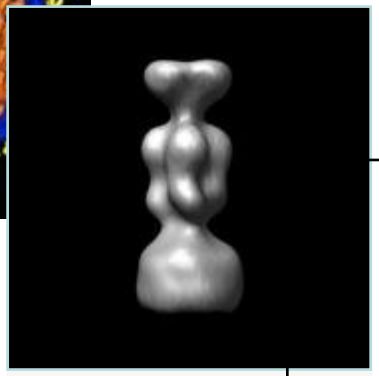
Proteomics



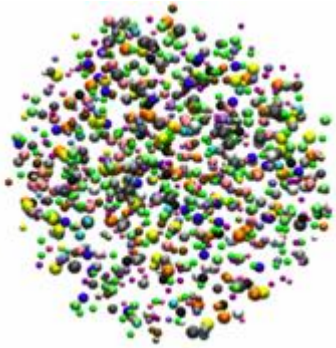
Cellular cryoET



CryoET

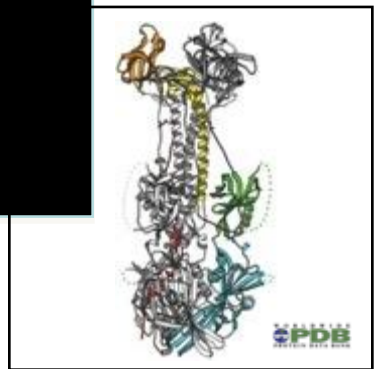


Single particle



Spatio-temporal

NMR

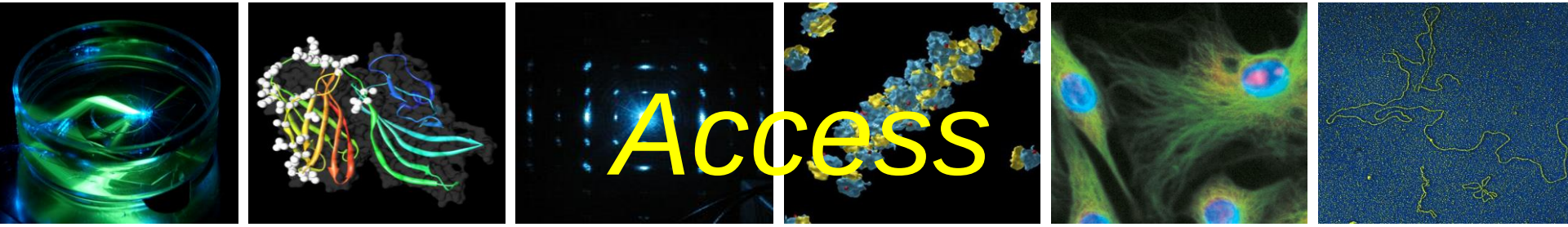


Crystallography

Increasing resolution

μm nm Å

Instruct: coordinates more than just access



Coordinated Access *to structural biology technologies*

Expert support *at infrastructure facility*

Facilitate **Strategic Planning** across and within member states

Technology development at the cutting edge

Constant monitoring

instruct
Integrating
Biology

Coordinated **training/Internships** for skills training

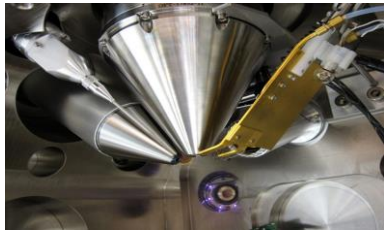
Coordinate national and international structural biology community

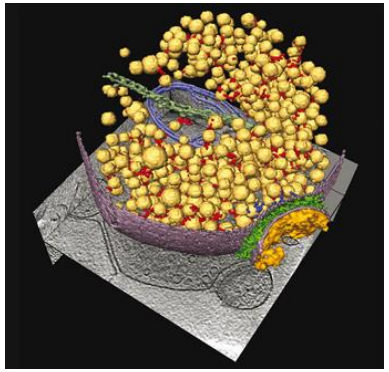
Single proposal system and peer review

Integration with other ESFRI and EC projects

Instruct

- *Instruct enables European users to **access cutting edge technologies** with excellent scientific and technical guidance*





*The **national funders** provide for Instruct:*

- *the key infrastructure at Instruct Centres*
- *the costs of using their best equipment for access as part of the Instruct infrastructure.*
- *Nominated consumable costs for standard access units*
- *Key support staff to ensure the best outcome*

***Instruct** provides:*

- *The access process – proposal submission, review, scheduling, reports*
- *Funds to support users to visit Instruct Centres for access (travel and accommodation; some consumable costs) up to a maximum of €1500 per access unit (exceptionally can be increased to €3000)*

*Access is internationally open **to all researchers from Instruct member countries** and awarded on the basis of scientific peer review.*

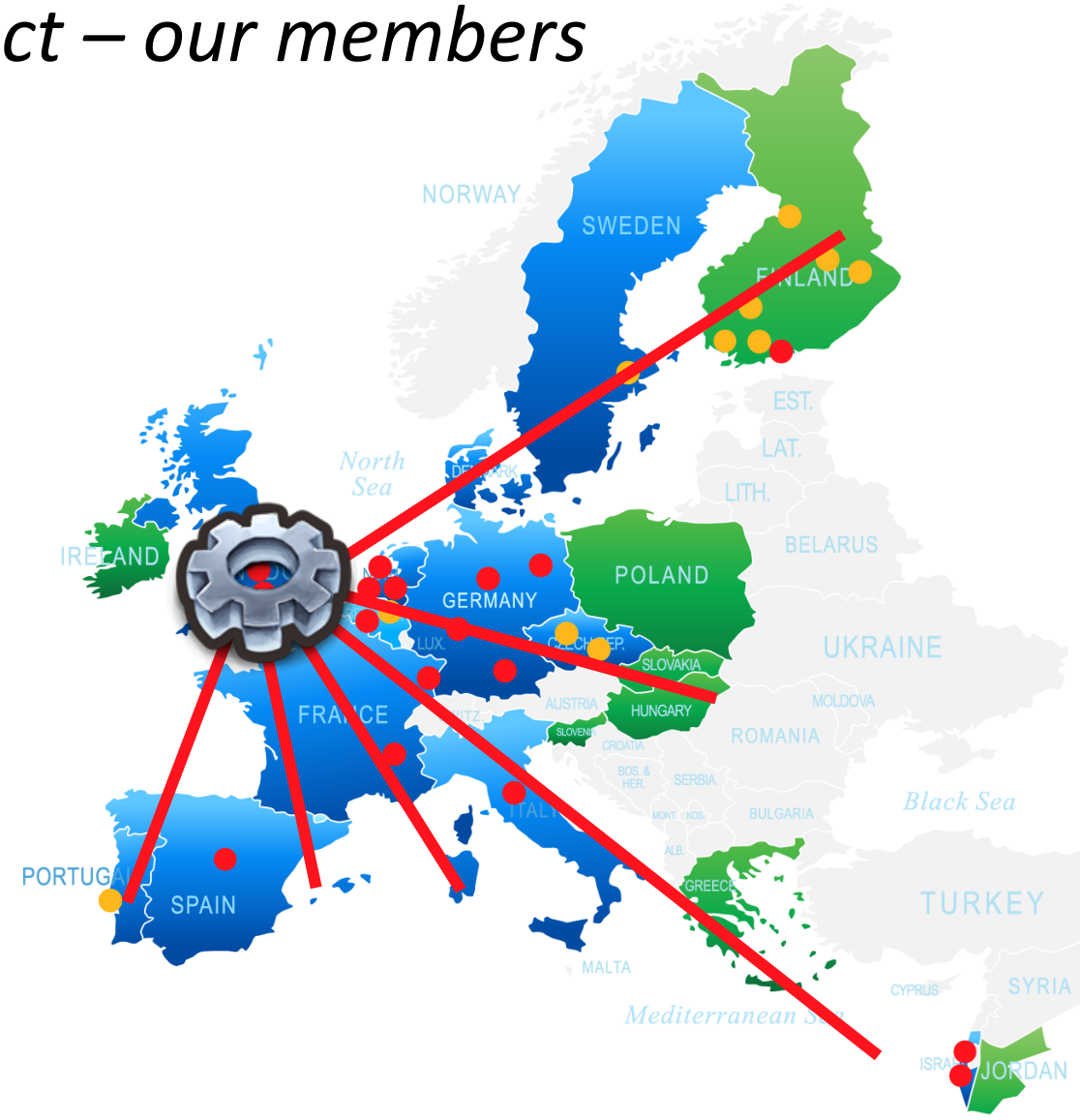
Instruct – our members

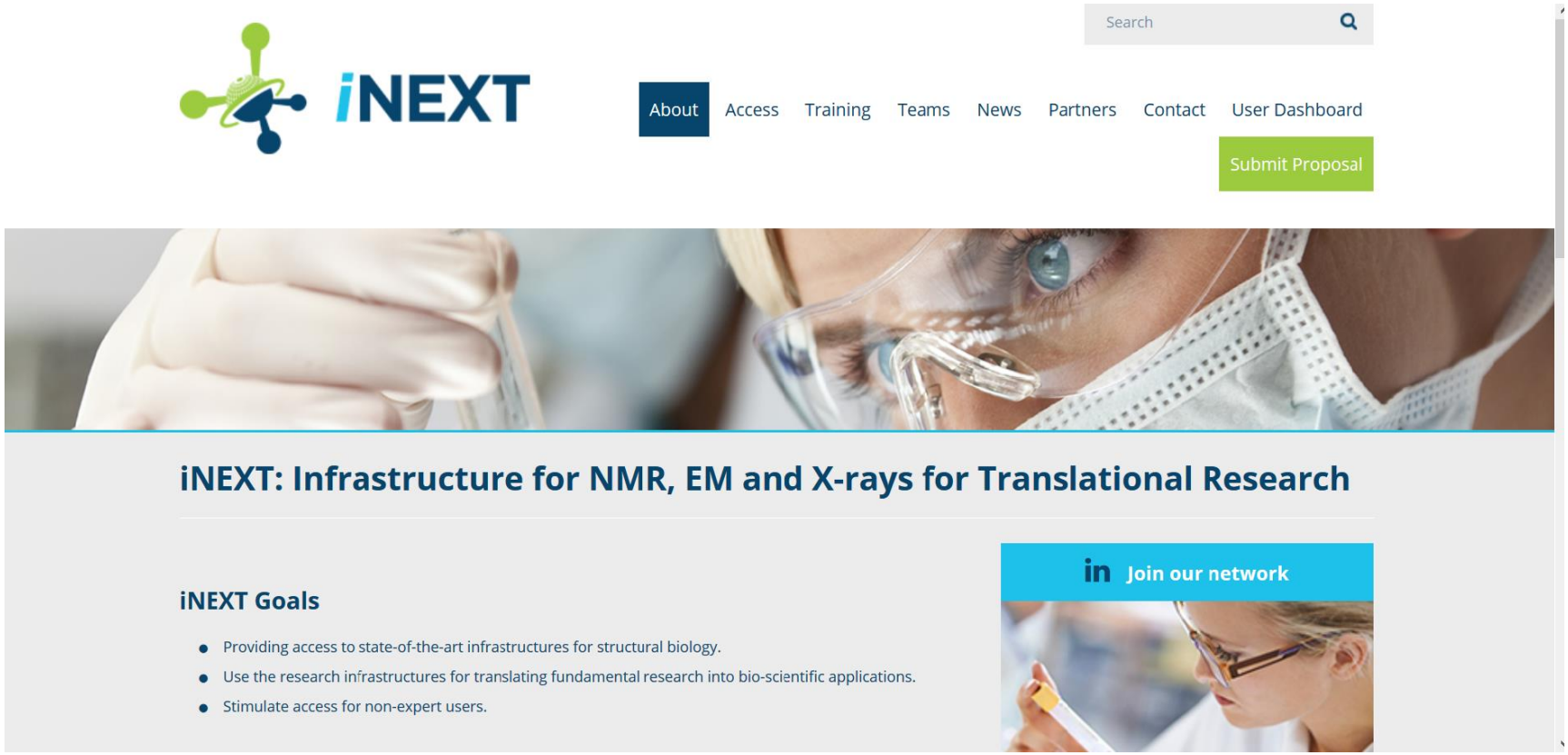
Strong pan-European support:

12 national legal members

16 Centres in 12 countries;

3693 users





http://www.inext-eu.org/

EU támogatás

Az Európai Unió Horizon 2020 program által támogatott iNEXT (H2020 #653706 sz. projekt) az első olyan projekt ami a különféle szerkezeti biológiai nagyműszerekhez való hozzáférést biztosítja (SAXS, krisztallográfia, NMR, EM, biofizikai jellemzések).