



Infrastructure for Trans-National Access and
Discovery in Structural Biology



Facility Access
Networking
Training
Joint Research

The Consortium



30 groups from 14 EU-countries

X-ray technology

ALBA, BESSY, DIAMOND, EMBL-GR,
EMBL-HH, MAX IV, SOLEIL

Nuclear Magnetic Resonance

BMRZ, CEITEC, CIRMMP, RALF-NMR,
UU

Electron Microscopy

ABSL, AU, CBI, CEITEC, CSIC, DIAMOND,
EMBL-HD, NeCEN

Macromolecular interactions

NKI

Data Management

EMBL-EBI

ESFRI / ERIC

INSTRUCT, EATRIS,
EuBI, EU-OS,
METROFOOD-RI

Regional networking

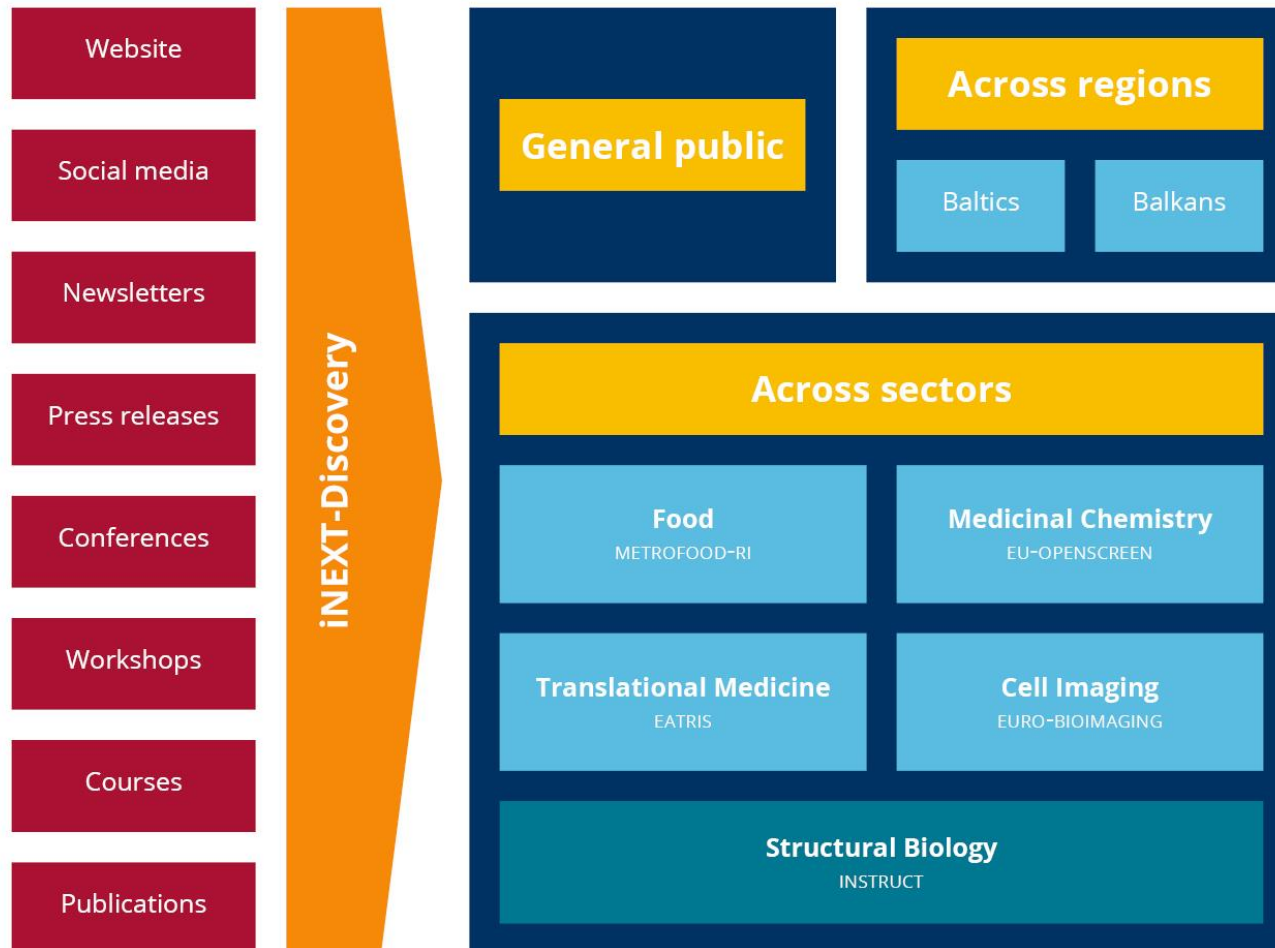
ELTE, ITQB, IIMCB,
NHRF, VU

Trans-national Access



- Supporting structural biology research for health, food and biotechnology
- Offering opportunities to researchers from academia and industry
- Helping scientists with background other than structural biology
 - Technology Tracks
 - NMR, X-rays, cryo-EM
 - Signature Access
 - Drug Discovery
 - In-cell Structural Biology
 - Thematic Calls
 - Health, Biotechnology, Food, Biomaterials

Networking: Public and Scientists



Advertising Access Opportunities
Ensuring sustainability
Enabling sharing of scientific data
Accelerating Regional development
Supporting existing user communities
Establishing new user communities
Engaging the general public
Involving Industry

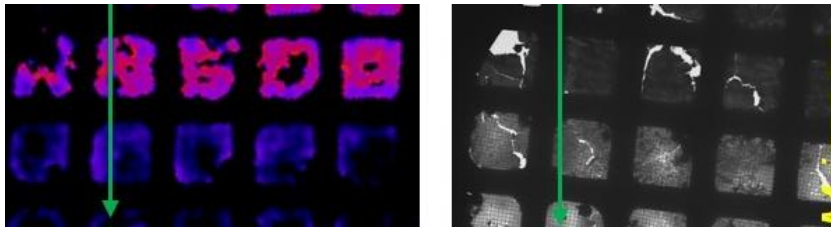
Training: workshops and more



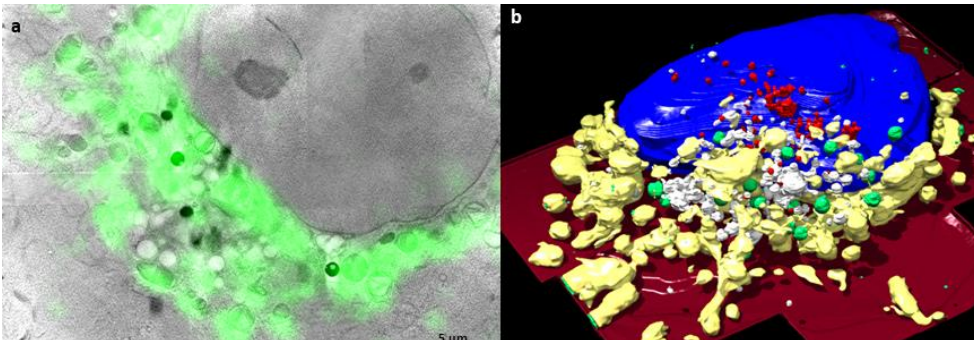
Structural biology workshops	Organizer	City, Country
Fragment screening	HZB	Berlin, DE
Serial crystallography	EMBL-HH	Hamburg, DE
In vivo crystallisation	SOLEIL	Paris, FR
Sample preparation for single particle EM (4X)	DIAMOND	Oxford, UK
Cryo-electron tomography and cryo soft X-ray tomography	EMBL-HD	Heidelberg, DE
Single particle EM data processing (2X)	CSIC	Madrid, ES
NMR sensitivity enhancement	UU	Utrecht, NL
Kinetic structural biology in cells	BMRZ	Frankfurt, DE
In-cell NMR	CIRMMP	Florence, IT
Biophysical characterisation of macromolecular interactions	NKI	Amsterdam, NL

Joint Research: for better facilities

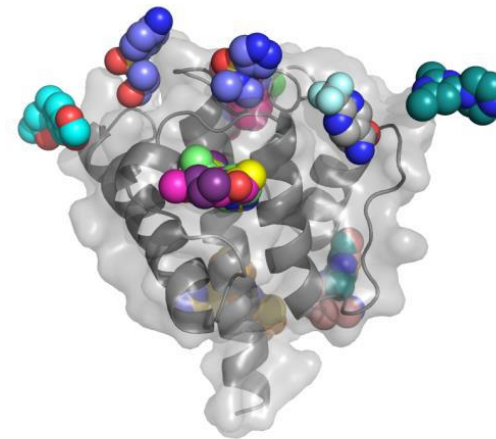
HTP cryo-EM & serial MX



Structural Biology for cellular imaging and challenging systems



Fragment Screening



Time scales - states - dynamics

