

CONCERT

Integration of radiation protection research in Europe

T Jung

A European Strategy for Radiation Protection Research



Umbrella structure for radiation protection research in Europe

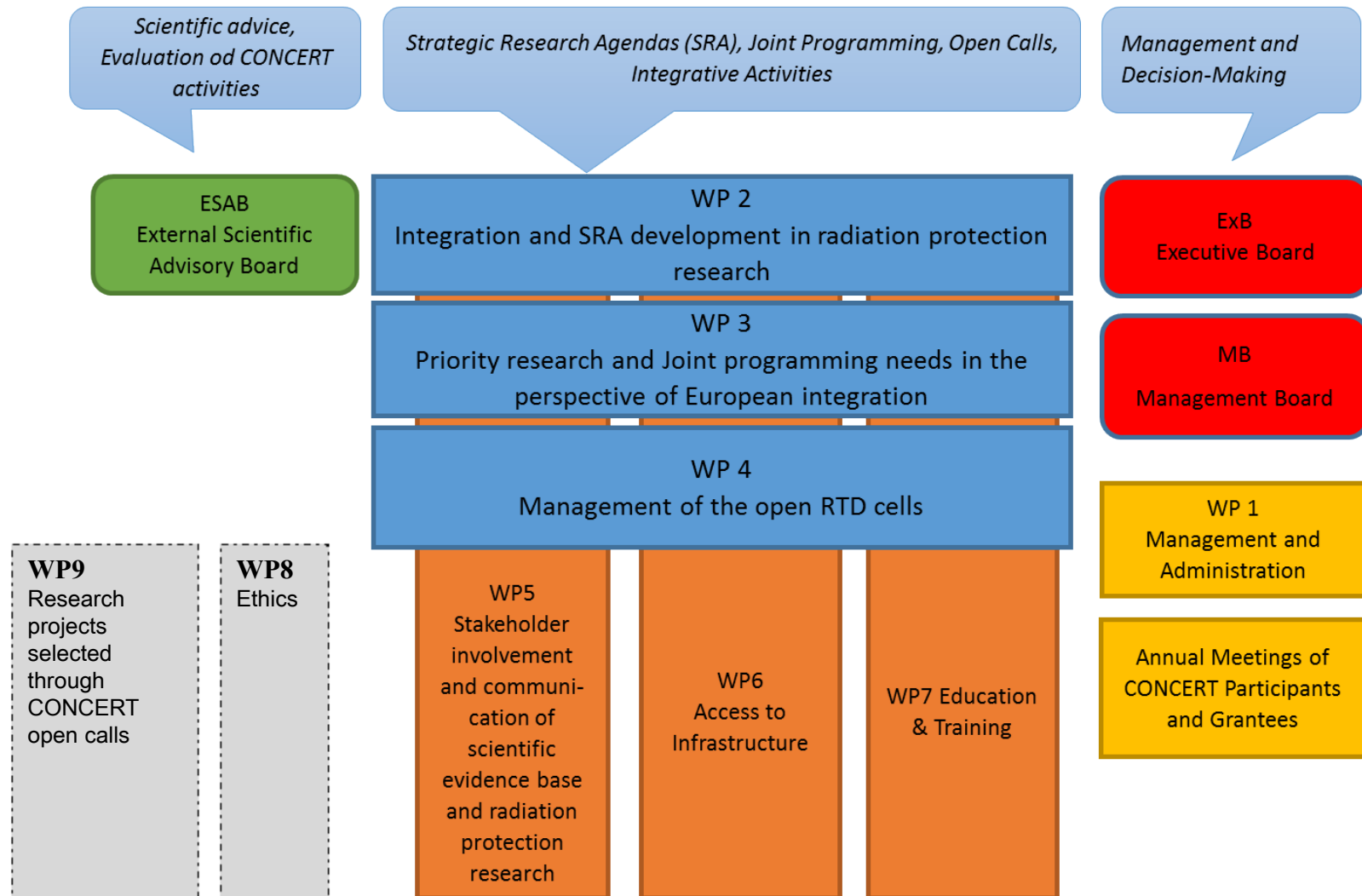
- Co-funding action
- Joint programming
- Open research calls
- Integrative activities



plus national Programme Owners or Managers (POMs)



CONCERT European Joint Programme for the Integration of Radiation Protection Research



Topic 1 - health risk assessment associated with low dose/dose rate radiation

LDLensRad

L Ainsbury ; PHE UK

- 8 partners: PHE, ENEA, HMGU with support from Oxford Brookes (OBU) and Durham Universities (DU) in the UK and CRIEPI (Japan), MSKCC, IU School of Medicine (USA), SUBI(Russia)



Towards a full mechanistic understanding of radiation cataract

LEU-TRACK

K Lumnitzky, OSSKI, HUNGARY

- 4 partners: OKI, PHE, HMGU, GUF

The role of extracellular vesicles in modulating the risk of low dose radiation induced leukemia



PODIUM

F Vanhavre, SCK-CEN, BELGIUM

- 7 partners: SCK-CEN, UPC, HMGU, LU, PHE, EEAE, SJH



SEPARATE

M Mancuso, ENEA, ITALY

- 4 partners: ENEA, HMGU, OBU, DIT

Systemic Effects of Partial-body Exposure to Low Radiation Doses



VERIDICE

J Dabin, SCK-CEN, BELGIUM

- 10 partner: SCK-CEN, APHP, CAATS, CEA, HUG, GAEC, VINCE, IOV, UHL, RBI



Topic 2 - Reducing uncertainties in human and ecosystem radiological risk assessment and management



CONFIDENCE

W Raskob; KIT; GERMANY

- **31 parters:** KIT, BfS, CEH, CEPN, CIEMAT, EPA, EEAE, HMGU, IRSN, MUTADIS, NMBU, NRPA, University of Zurich, PHE, DTU, RIVM, SCKCEN, STUK, UMIL, VUJE, KNMI, APA, DIALOGIK, University of Warwick, IST, REC, RIKILT, EXTREMADURA, UK Met Office, Norwegian Met. Institute

TERRITORIES

M. Simon-Cornu, IRSN, FRANCE

- **11 partners:** IRSN, BfS, CEPN, CIEMAT, NMBU, NRPA, PHE, SCK.CEN, STUK, University of Tartu, Mutadis

SHAMISEN-SINGS

E CARDIS; ISGlobal; SPAIN

- **8 partners:** ISGlobal ISS FMU IRSN WIV-ISP CEPN NMBU UAB

ENGAGE

C Turcanu, SCK-CEN, BELGIUM

- **13 partners:** SCK•CEN, CEPN, JSI, ISGlobal, IRSN, UFC, EEAE, UMIL, FOPH, VUJE, Inc., BfS, IFIN-HH, ULG

First thoughts and open questions:

- Crosstalk between CONCERT funded projects
- Translational research perspective, i.e. facilitate implementation of RP standards in Europe and MS
- Bridging the gap between decision making by authorities and participation processes with stakeholders - legal, ethical, scientific considerations
- Harmonisation of emergency response and mitigation measures across borders - can science help?
- Scientific tools, algorithms, expert advice, ... and responsibility
- ...

Thank you for your attention

<http://www.concert-h2020.eu>