

Initiatives européennes et internationales en termes de plateformes

Center for Alternatives to Animal Testing (CAAT-EUROPE)

Johns Hopkins University, Baltimore, USA – University of Konstanz, Germany

Francois Busquet, PhD



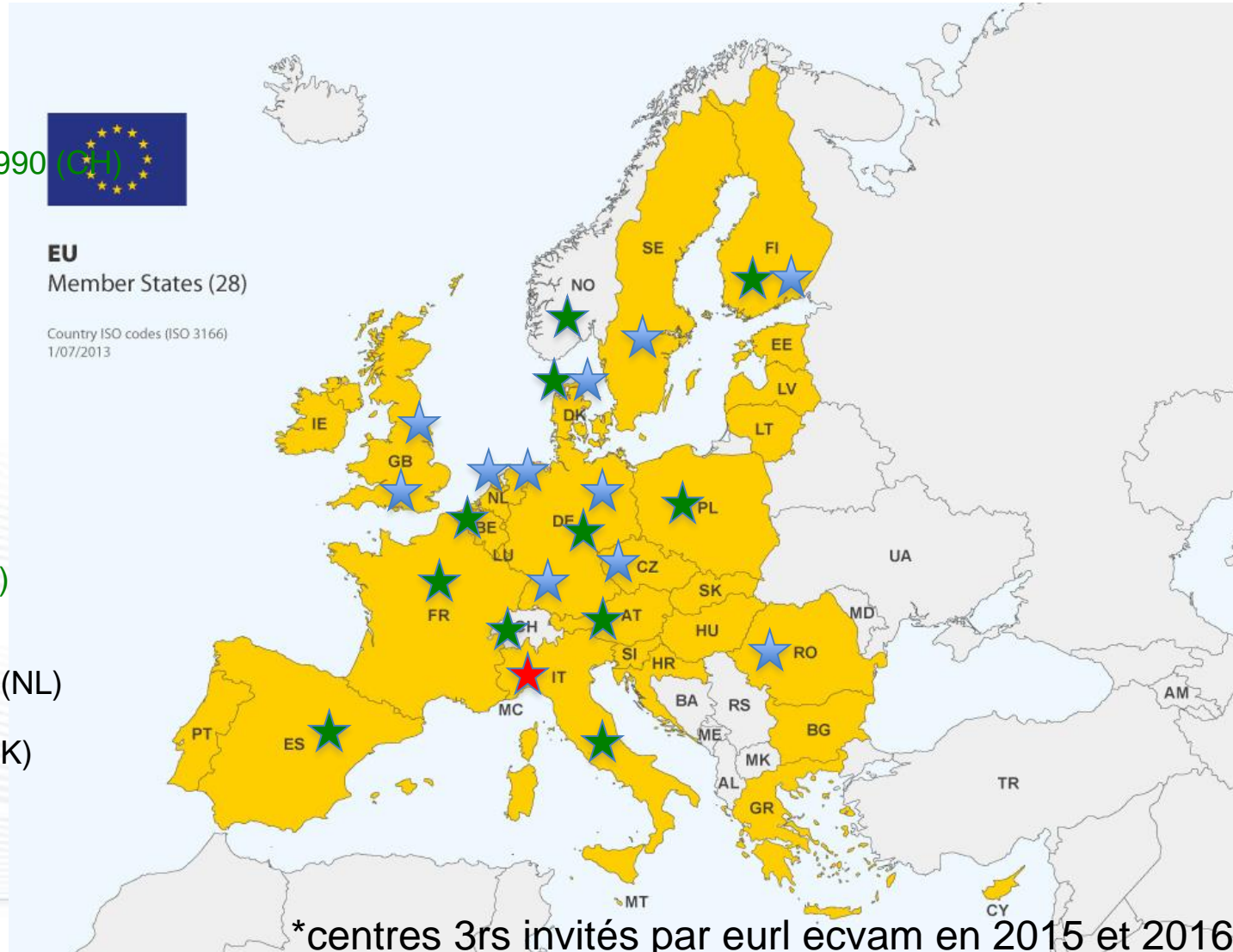
- european consensus platform for alternatives (1998)
- 4 piliers pour definir une plateforme nationale consentuelle: ONG, academique, industrie, gouvernement; Sinon plateforme associée.
- D'autres representations nationales existent
- Directive 2010/63/eu
 - En 2015/2016 EURL ECVAM invitent les centres 3R EU
 - NETVAL

#	NAME	COUNTRY	DATE OF CREATION	STILL ACTIVE	NCP	ASSOCIATE ECOPA MEMBERS	RESPONSIBLE PERSON	BUDGET	IF BUDGET FROM WHERE?	NUMBER OF STAFF	FUNCTIONS					VALIDATION
											DISSEMINATION	NETWORK	NEWSLETTER	FUNDING	LABORATORY CAPACITY	
#1	BPAM	BELGIUM	1998 - 2011	NO	NO	NO	-	OK		0	NO	NO	NO	NO	NO	NO
#2	CZECOPA	CZECH REPUBLIC	5/15/03	YES	YES	YES	chair Dagmar Jírová	0		0 paid (1 chair, 1 secretary)	YES	YES	NO	NO	NO	NO
#3	FINCOPA	FINLAND	21/09/2003	YES	YES	YES	Paula Hirsjärvi (Chair)	1-5 KEUR	Member fee, surplus from the meetings	0 paid (14 in board)	YES	YES	NO	NO (member fee)	NO	NO
#4	FRANCOPA	FRANCE	2007	YES	YES	YES	Philippe Hubert (Director) and Francelyne Marano (PRESIDENT)	0	Not applicable	Not applicable	YES	YES	YES	NO	NO	NO
#5	REMA	SPAIN	1999	YES	NO	YES	Guillermo Repetto (President)	0	Not applicable	0	YES	YES	NO	NO	NO	NO
#6	DACOPA	DENMARK	2005-2014	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
#7	IPAM	ITALY	2003	YES	YES	YES	Isabella De Angelis (President) Franca Fassio (Vice President)	1-6 KEUR	Not applicable	12 board members	YES	YES	NO	NO	NO	NO
#8	Norecopa	NORWAY	2007	YES	YES	NO	Adrian Smith (secretary)	c. 200K euro	Part State, part ad hoc income from research council, donations	2	YES	YES	YES	YES	NO	NO
#9	SET	GERMANY	1986	YES	YES	YES	Manfred Liebsch (Head of Scientific Advisory Board and SET representative for <i>ecopa</i>)	ca. 350K €	50% Industry, 50% Federal Ministry of Food and Agriculture	one General Secretary (employed), six Members Scientific Advisory Board, eight Members Foundation Council, about 20 Members Board of Trustees	YES	YES	NO	YES	NO ³	NO ³
#10		POLAND	2002-2008	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
#11	3R research foundation	SWITZERLAND	closed 2015	YES OR NO	YES OR NO	YES OR NO					YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO
#12		SWEDEN	closed	YES OR NO	YES OR NO	YES OR NO					YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO
#13	ZET	AUSTRIA	closed	YES OR NO	YES OR NO	YES OR NO					YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO
#14		THE NETHERLANDS	closed	YES OR NO	YES OR NO	YES OR NO					YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO	YES OR NO

Centres 3Rs en UE

Nom/Année/Pays

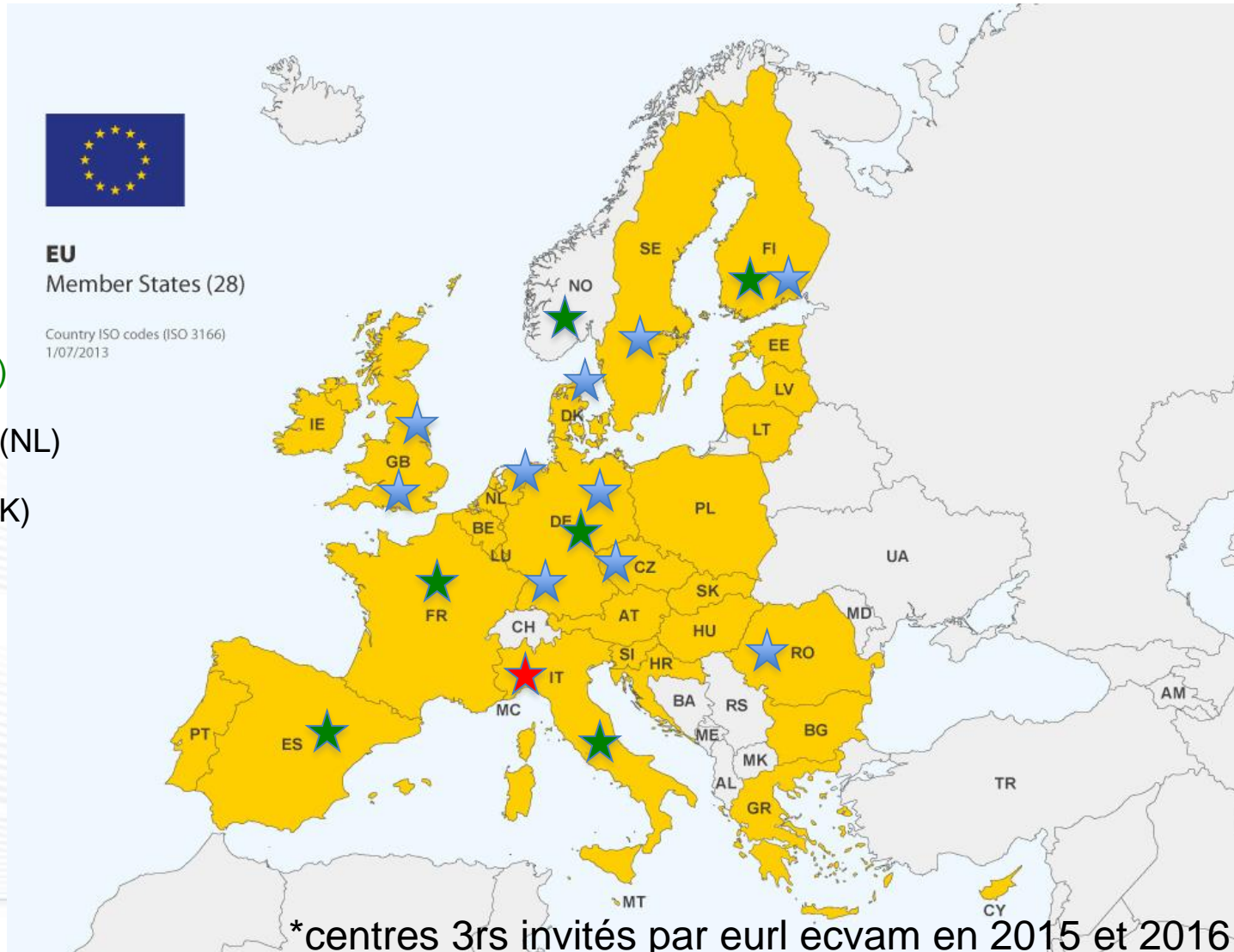
- FRAME 1969 (UK)
- SET 1986 (DE)
- ZEBET 1989 (DE)
- Fondation Recherche 3R 1990 (CH)
- EURL ECVAM 1991 (EU)**
- ZET 1994 (DE)
- BEPA 1998 (BE)
- REMA 2001 (ES)
- POLCOPA 2002 (PL)
- IPAM 2003* (IT)
- NC3Rs 2004* (UK)
- DACOPA 2005 (DK)
- CZECOPA 2005 (CZ)
- NORECOPA 2007* (NO)
- FRANCOPA 2007 (FR)
- FICAM/FINCOPA 2008* (FI)
- CAAT Europe 2010* (DE)
- NKCA 2010 (NL)
- Utrecht 3Rs institute 2010* (NL)
- SWETOX 2013* (SE)
- Danish 3R Center 2014* (DK)
- ROCAM 2015* (RO)
- Bf3R 2015* (DE)
- WALCOPA ?2016? (BE)



Centres 3Rs en UE actifs

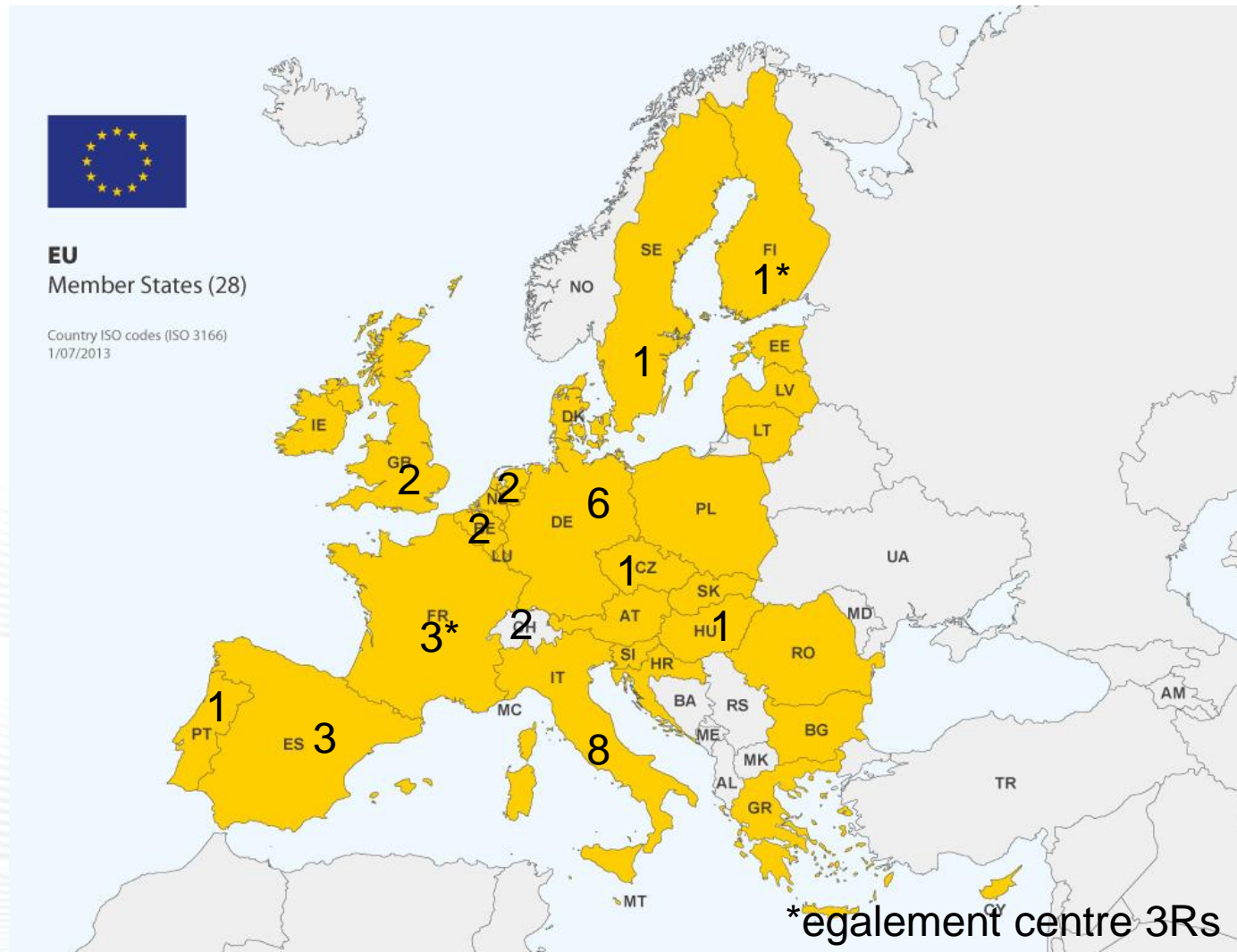
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NETVAL

- Lancée en 2013
- Laboratoire doit être BPL
- Laboratoire doit proposer une compétence ex. Ecotox, PE, peau etc..
- 37 labos
- Participation des labos "pro bono"
- Une étude en cours ER-CALUX



Plateformes nationales leaders*



National Centre
for the Replacement
Refinement & Reduction
of Animals in Research



Danish 3R-Center
RRR

- Multiple points communs
 - Budget annuel en Millions € + sponsor industries ex. D3RC & NC3Rs
 - Feuille de route
 - NC3Rs: “NAT” ou non-animal technologies



DEUTSCHES ZENTRUM
ZUM SCHUTZ VON
VERSUCHSTIEREN

* subjectif!

A non-animal technologies roadmap for the UK

Advancing predictive biology



Innovate UK



- **Marché mondial chiffres de 2015:**
 - “Cell based assays in drug discovery, safety, and toxicology will reach \$21.6 billion by 2018.
 - Induced pluripotent stem cells is expected to reach \$2.9 billion in 2018,
 - 3D cell culture market is expected to grow to about \$2.2 billion in 2019.
 - In 2012, there were over 380 companies working in the pharmaceutical sector in the UK, employing nearly 70,000 people, and with an annual turnover of £30 billion.”

Plateformes nationales leaders*



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 - Feuille de route
 - NC3Rs: “NAT” ou non-animal technologies
 - SWETOX: Perturbateurs endocriniens – non-toxic environment
 - Bf3R: multipolaires
 - Reponse à une legislation europeenne (7PAE, directive 2010/63/eu) ex. swetox
 - Rattachee à un ministère ex. Bf3r, nc3rs
- * subjectif!

Plateformes nationales en discussion



Conclusion

- Environnement des Plateformes 3R tres dynamiques sur les 3 dernieres annees (1/3 en plus)
- Volonté des etats-membres de se doter de centre nationaux
- Structures nationales et supra-nationales collaborent
- Motivations (eco, politiques etc..), structures, sources de financement et focus divergents selon les plateformes
- Bottom-up: soumission via OECD, EURL ECVAM, SCCS
- Top-Down de EURL ECVAM vers NETVAL
- !!Validation ne veut pas dire acceptation reglementaire!!