

Espace européen de la recherche et de l'enseignement supérieur : quelles opportunités pour les HEP ?

Journée d'information swissuniversities – SwissCore
Lausanne, 29 mars 2017
Julia Grünenfelder (European Advisor for Education)

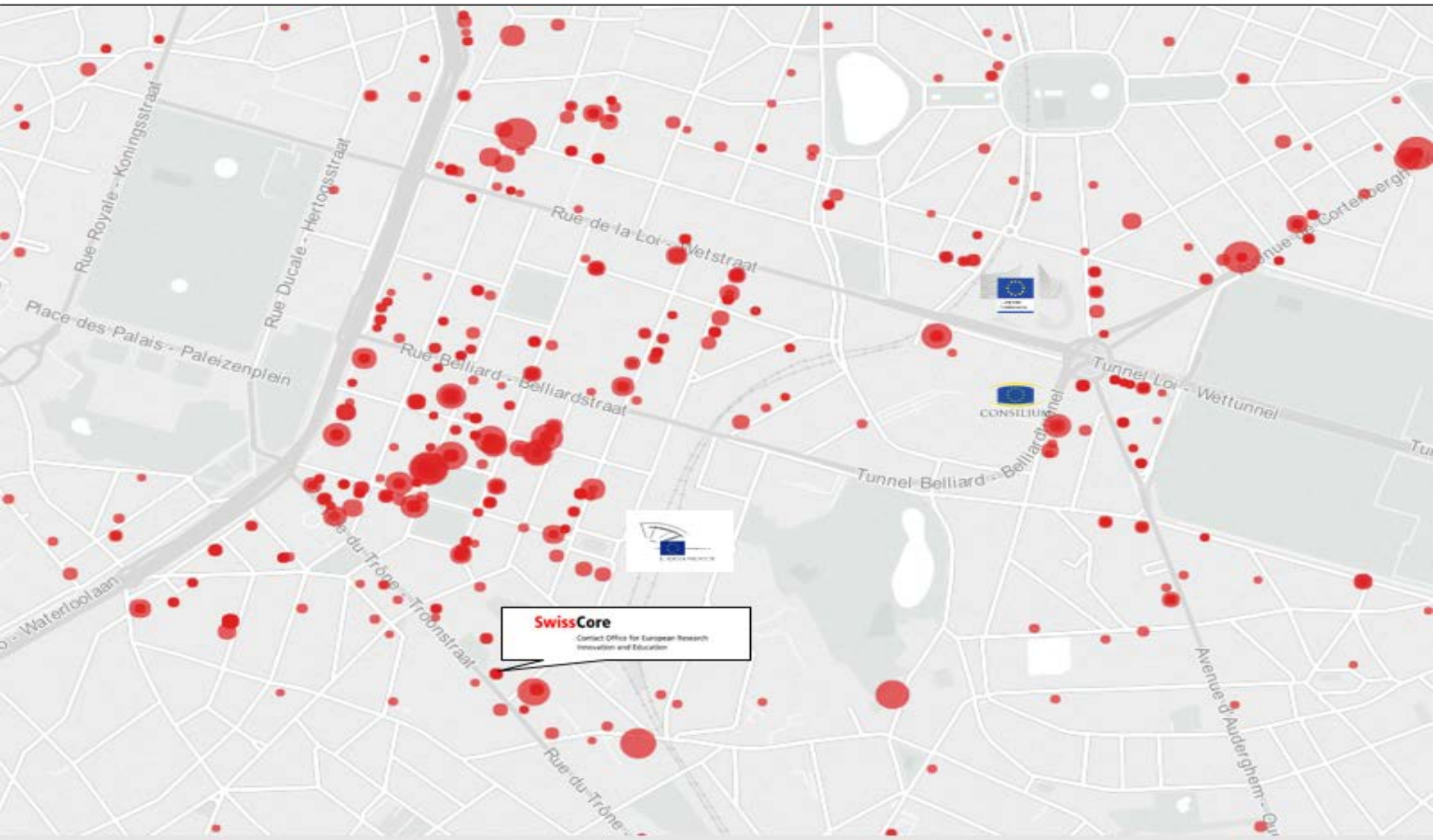
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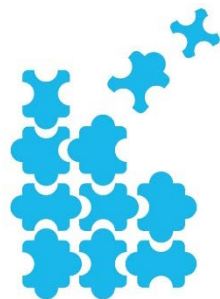


Contenu

1. Education:
Espace européen de l'enseignement supérieur (EHEA)
et Erasmus+
2. Recherche:
Espace européen de la recherche (ERA)
et Horizon 2020
3. Statut suisse dans Horizon 2020 et Erasmus+

Espace européen de l'enseignement supérieur & Espace européen de la recherche

EHEA



EUROPEAN
Higher Education Area

ERA



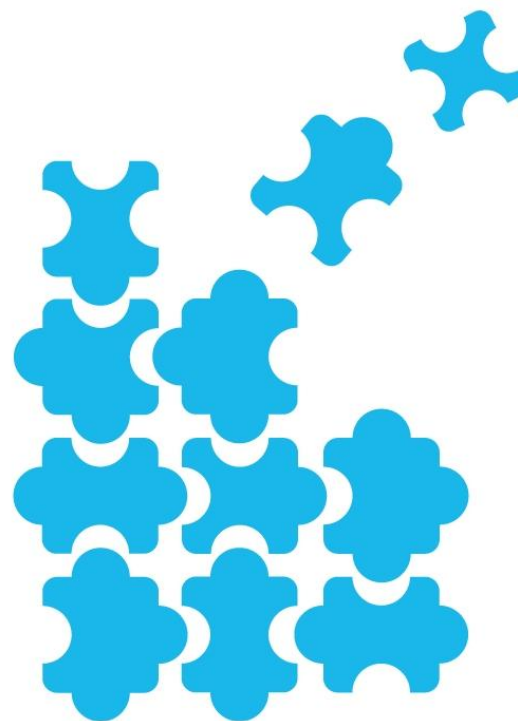
European
Research Area

mobilité des personnes et du savoir
compétitivité au niveau international

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Enseignement supérieur



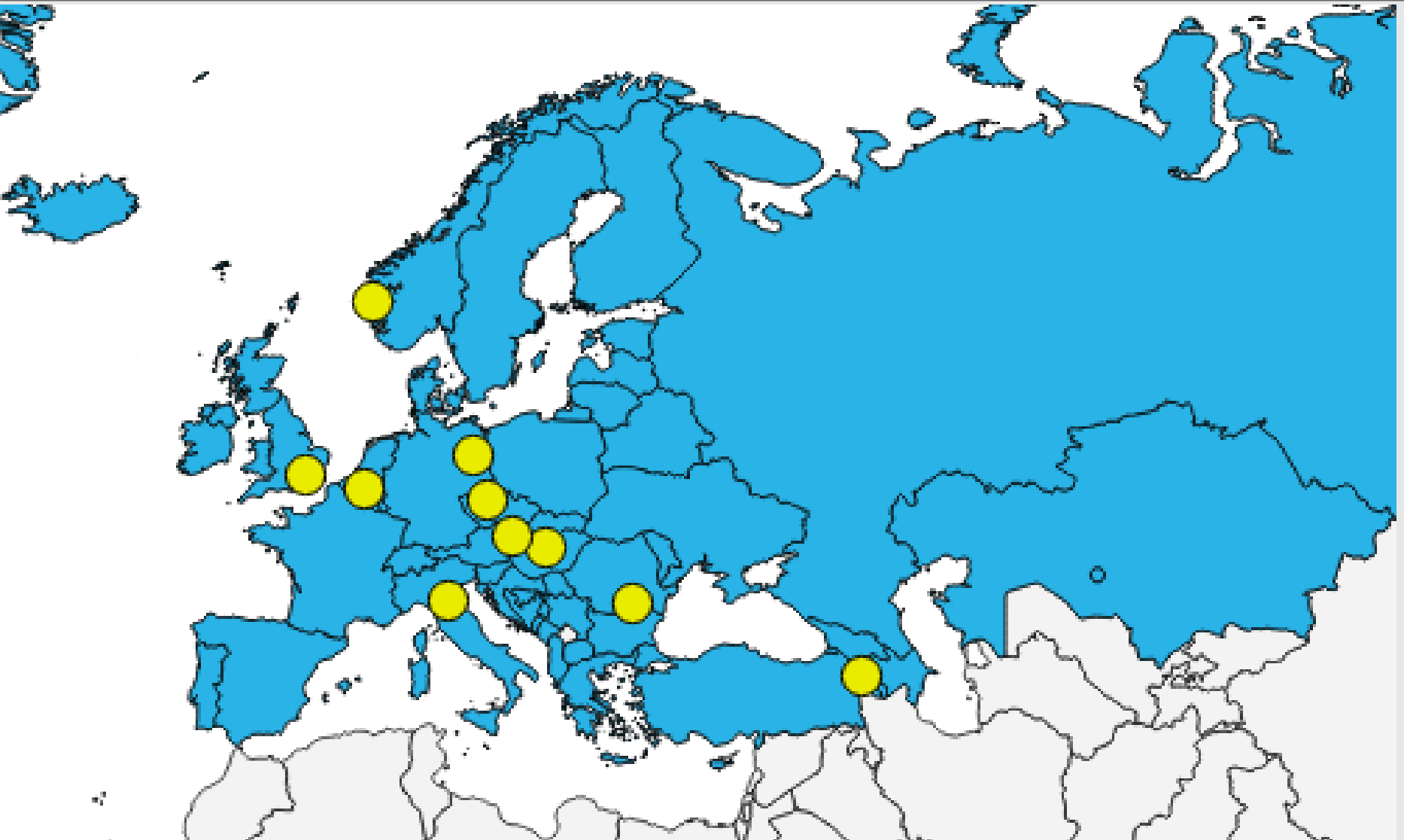
EUROPEAN
Higher Education Area

Les membres de l'EHEA/processus de Bologne

The EHEA / BFUG members are **48** countries and the **European Commission**.
BFUG = Bologna Follow-Up Group



Processus de Bologne/EHEA – développement



Les priorités actuelles

4 priorités pour 2015-2020 (Yerevan Communiqué 2015)

1. Améliorer la qualité et la pertinence de l'éducation et l'enseignement
2. Promouvoir l'employabilité des diplômés tout au long de leur vie professionnelle
3. Augmenter l'inclusivité du système éducatif
4. Mettre en œuvre les réformes approuvées

→ Améliorer la **transparence** et la **compatibilité** des systèmes

Objectif: 20% **mobilité**

Soutien pour la mise en place de l'EHEA

future programme

2014-
2020



Éducation et formation
tout au long de la vie

2007-
2013



Programme
Jeunesse
en action

anciens programmes

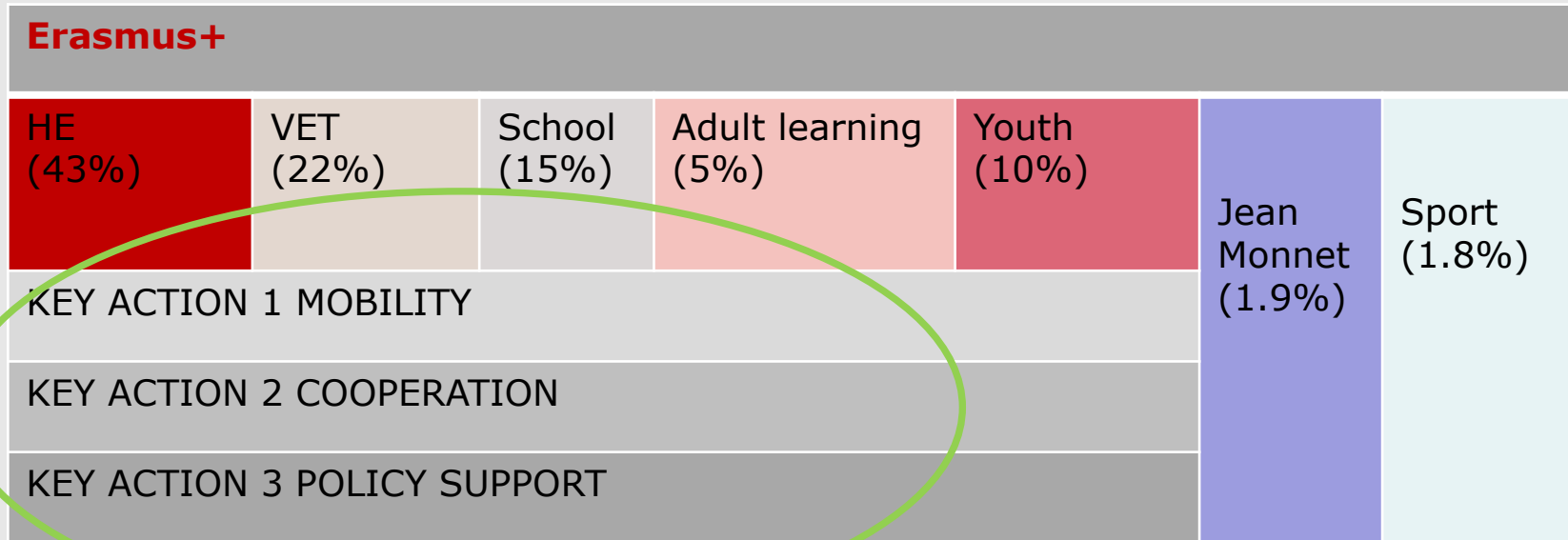


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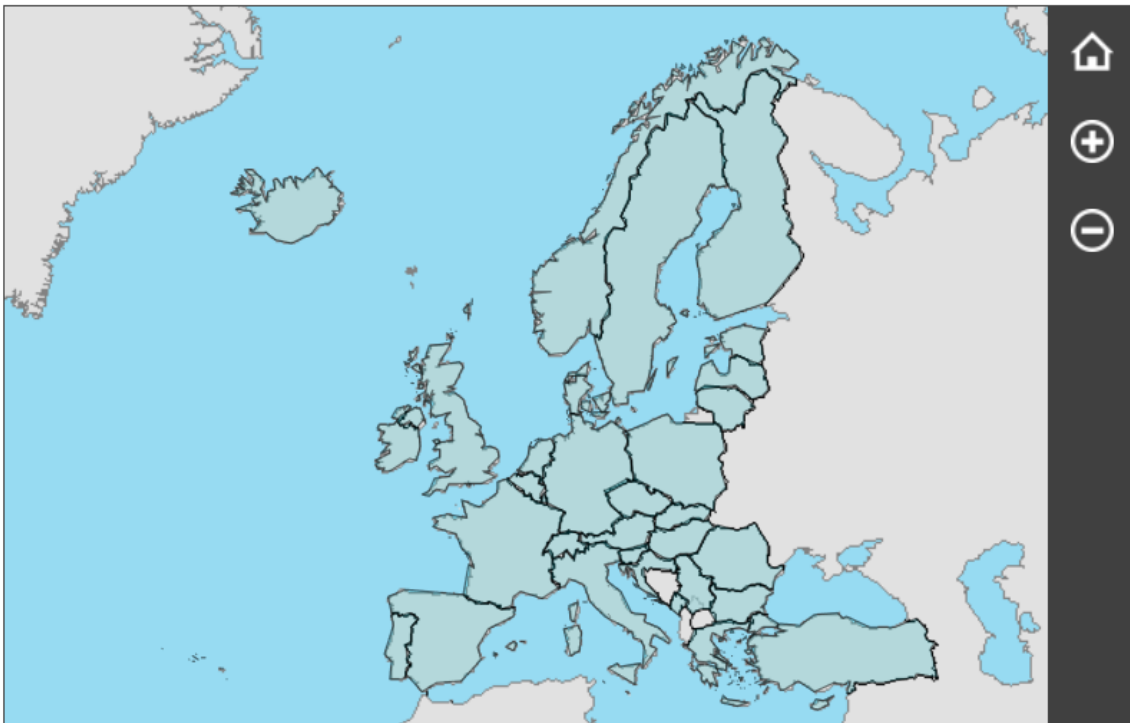
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Erasmus+ (2014-2020)

Budget: € 14,7 billion



Recherche



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European Research Area

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Espace européen de la recherche (ERA)



Priorités actuelles

6 priorités pour 2015-2020 (ERA Roadmap 2015)

1. Systèmes de recherche nationaux plus efficaces
2. Coopérations transnationales optimales
3. Ouverture du marché de l'emploi pour les chercheurs
4. Egalité des sexes et gender mainstreaming dans la recherche
5. Transfert du savoir et libre-accès aux données et résultats de recherche
6. Coopération internationale

Progrès de la CH vers l'ERA Roadmap

	Indicator	Performance				
	Name	Reference year	Score	Cluster	Lead/Gap (Δ %)	EU-28
Across Priorities	1 – Adjusted Research Excellence	2013	97.5	1	120	44.4
	2A – GBARD to transnatl coop (EUR/researcher)	2014	27,941	1	1015	2,507
	2B – Roadmap for ESFRI projects	National roadmap implemented in 2015,				
	3 – EURAXESS job ads per 1 000 researchers	2014	16.1	3	-66	47.0
	4 – Share of women among Grade A HES	2014	19.3%	3	-18	23.5%
	5A – Research institute–private collaboration	2012	:			7.3%
	5A – Higher education–private collaboration	2012	:			12.0%
	5B – Share of papers in Open Access (Total)	2014	58.0%	2	11	52.2%
	6 – Collab papers w/non-ERA per 1 000 researchers	2014	96.6	1	91	50.7
	Headline Composite	2016	67	1	34	50

Cluster: 1-4; 1 = top, 4 = mauvais

Source: European Commission (2017). ERA Progress Report 2016. Country Snapshot Switzerland.

Les 3 Os



Soutien pour la mise en place de l'ERA



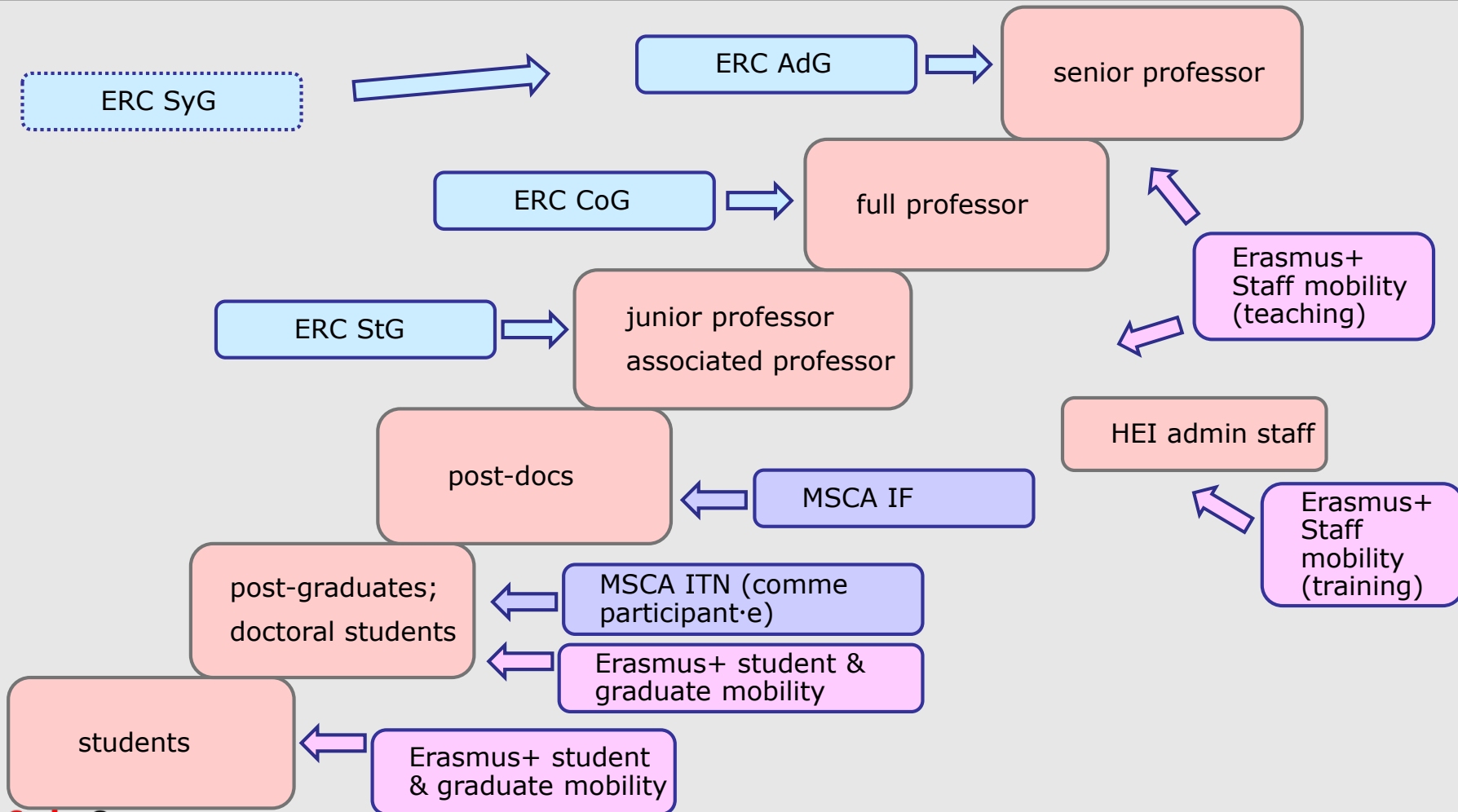
FP9



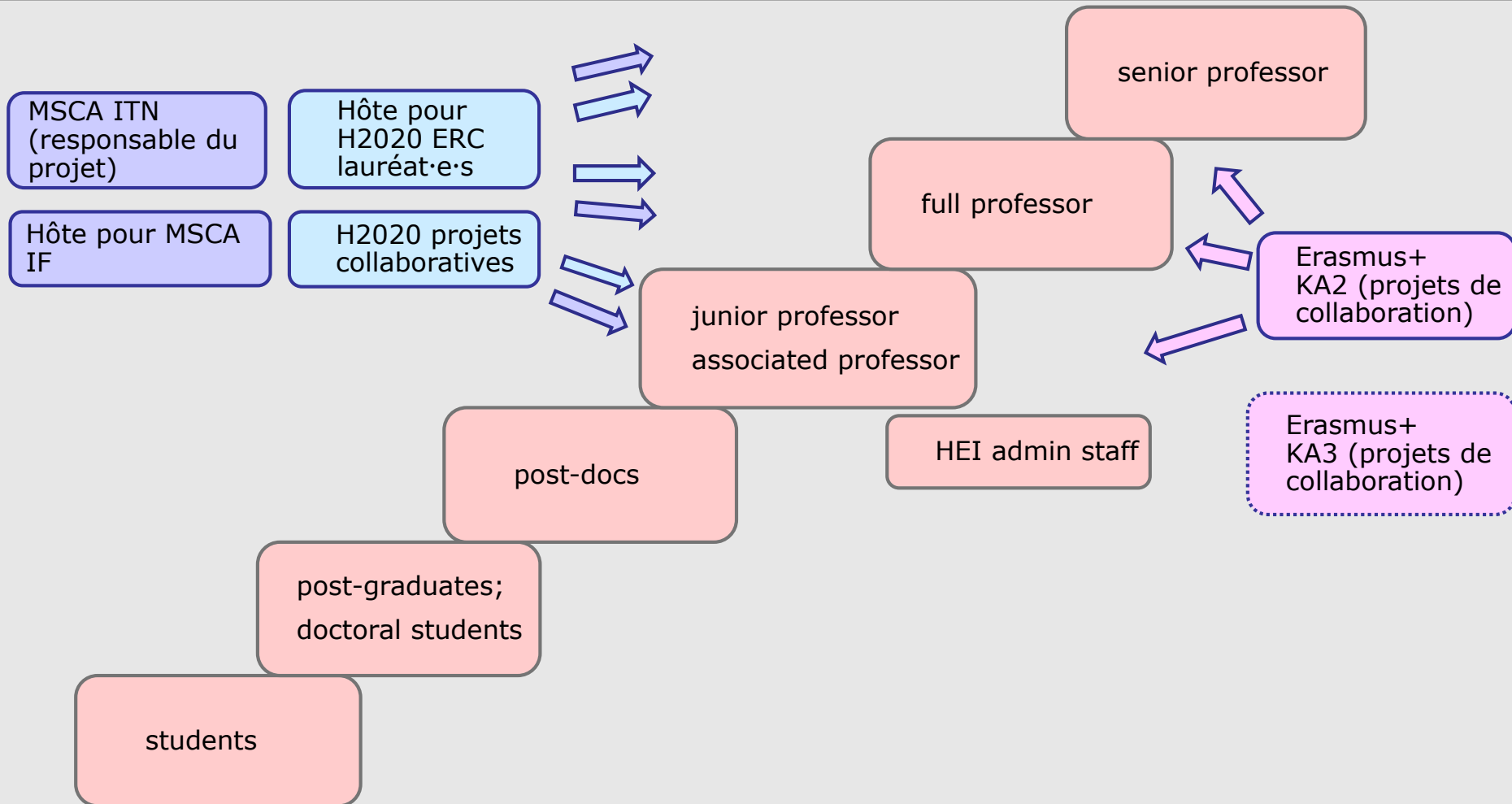
Horizon 2020 (2014-2020): €88 milliards

FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION (HORIZON 2020) (article 173 and 182 TFEU)		
PART (PRIORITY) I EXCELLENT SCIENCE €24.44 bn	PART (PRIORITY) II Industrial Leadership €17.02 bn	PART (PRIORITY) III SOCIETAL CHALLENGES €29.68 bn
European Research Council (ERC) €13.09 bn: 1. Starting Grant (StG) 2. Consolidator Grant (CoG) 3. Advanced Grant (AdG) 4. Proof of Concept (PoC) 5. Synergy Grants (SyG)	Leadership in Enabling and Industrial Technologies €13.6 bn: 1. ICT 2. nanotechnologies 3. advanced materials 4. biotechnology 5. advanced manufacturing and processing 6. space	1. health, demographic change and wellbeing €7.47 bn 2. food security, sustainable agriculture and forestry, marine and maritime and inland water research and bioeconomy €3.85 bn 3. secure, clean and efficient energy €5.93 bn 4. smart, green and integrated transport €6.33 bn 5. climate action, environment, resource efficiency and raw materials €3.08 bn 6. Europe in a changing world – inclusive, innovative and reflective societies €1.31 bn 7. secure societies – protecting freedom and security of Europe and its citizens €1.69 bn
Future Emerging Technologies (FET) €2.70 bn: 1. FET Open 2. FET Proactive 3. FET Flagships	Access to Risk Finance €2.8 bn: 1. Debt Facility 2. Equity Facility 3. Capacity-Building in Technology Transfer	
Marie Skłodowska-Curie Actions (MSCA) €6.15 bn: 1. Innovative Training Networks (ITN) 2. Individual Fellowships 3. Research and Innovation Staff Exchange (RISE) 4. COFUND		
Research Infrastructures (RI) €2.45 bn: 1. developing European RI for 2020 and beyond 2. fostering innovation potential of RI and their human resources 3. reinforcing European RI policy and international cooperation	Innovation in SME €0.62bn	
SPECIFIC OBJECTIVE PART IIIa Spreading Excellence and Widening Participation (article 184) €0.32 bn		
SPECIFIC OBJECTIVE PART IIIb Science with and for Society €0.46 bn		
European Institute for Innovation and Technology (EIT) (article 173) €2.71 bn		
CROSSCUTTING ISSUES		
Complementarity with other Union policies and programmes, including COST, European Structural and Investment Funds (ESI), Common Agricultural Policy, Programme for the Competitiveness of Enterprises and SMEs (COSME), Erasmus+ and Life+		
Complementarity to 185-Joint Programming Initiatives and 187-Joint Undertakings		
Synergies with the European Structural and Investment Funds (ESI)		

Possibilités pour la mobilité



Possibilités pour la collaboration



Le futur?



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Finances

BREXIT?,
Budget FRI?, ...

Structures

Centralisé-décentralise,
European Innovation
Council, ...

Contenu

Anti-radicalisation,
Entreprenariat,
Sciences sociales, ...

Questions?



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Statut suisse dans Horizon 2020 et Erasmus+

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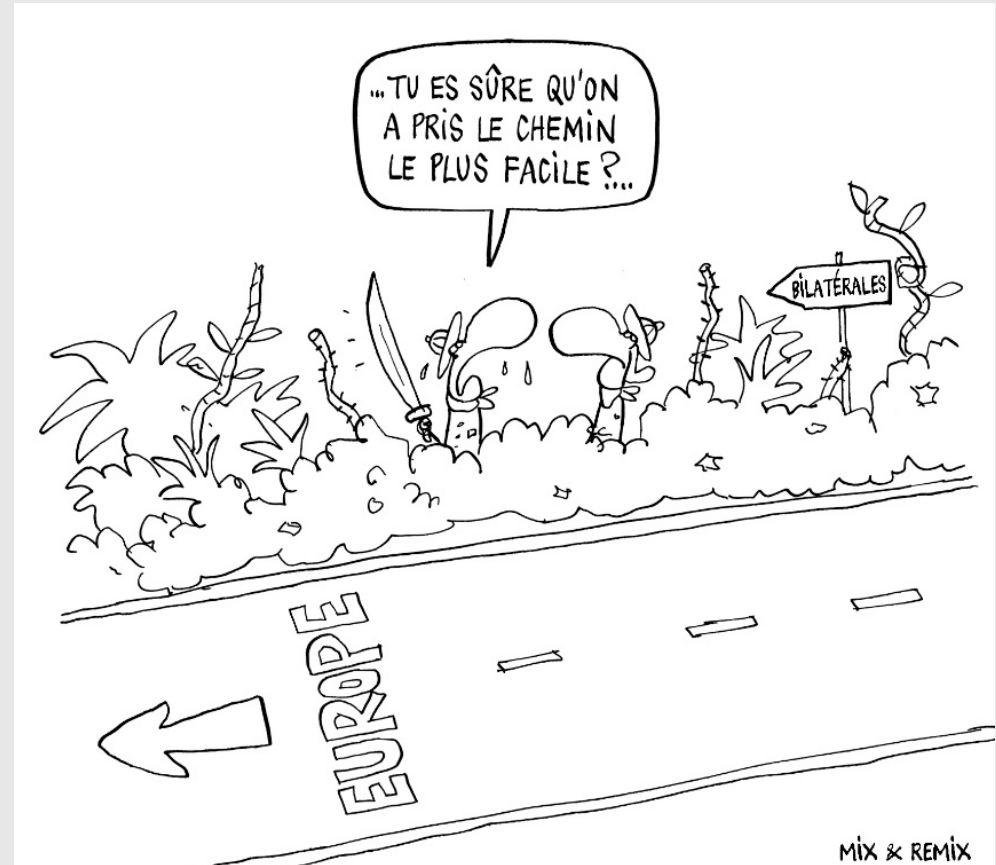
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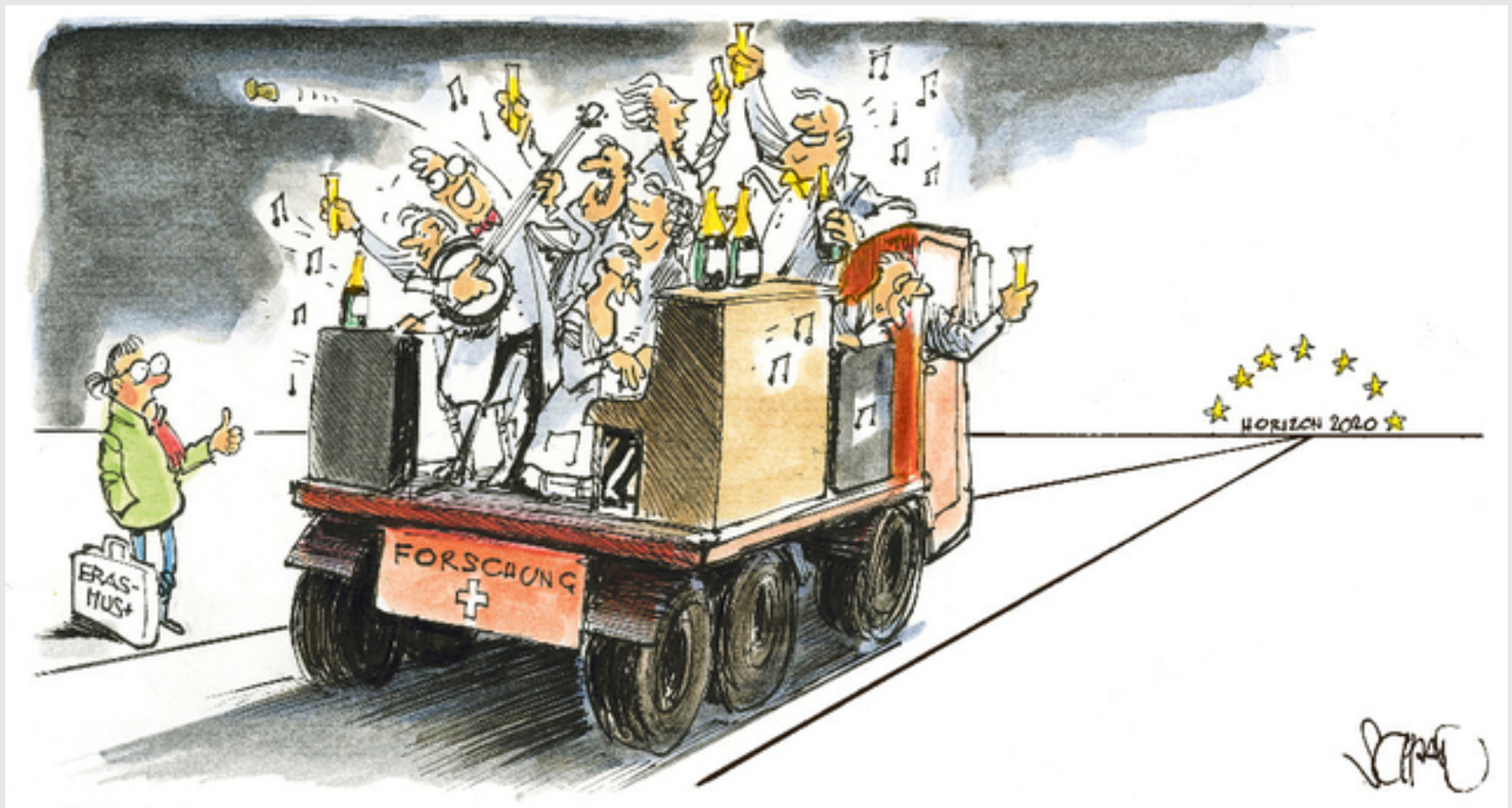
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Contexte: La voie bilatérale

- Relations CH-UE: 120 accords bilatéraux séctoriels
- Solutions contractuelles taillées sur mesure



Statuts différents pour H2020 & Erasmus+

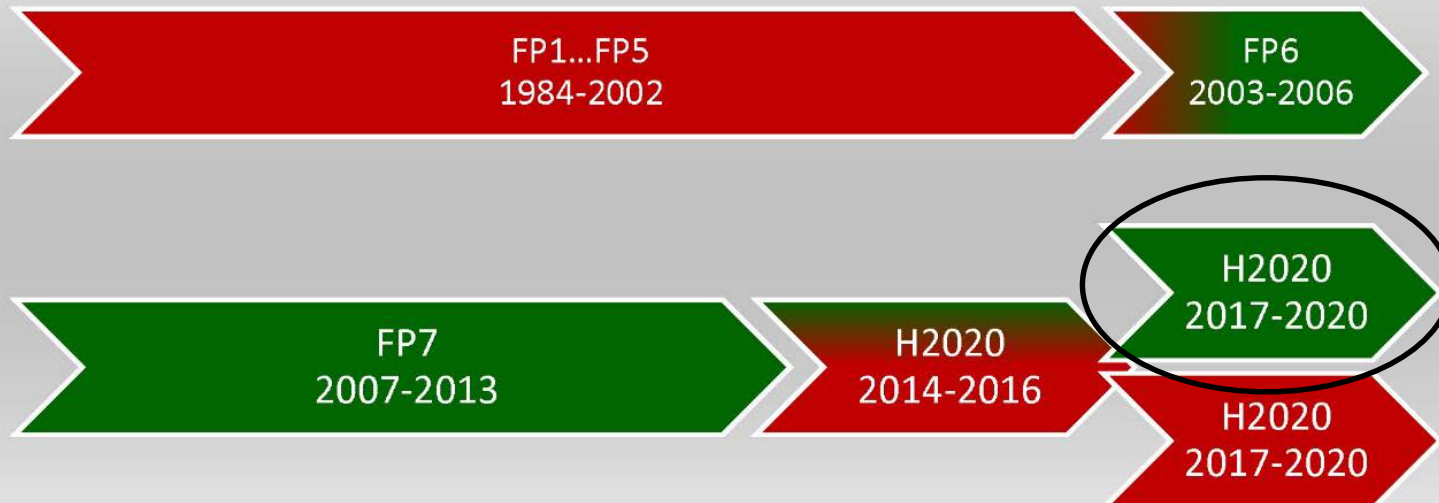


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Statut suisse dans Horizon 2020

Swiss Participation at EU Framework Programmes (FPs)



■ Associated

■ Third State (national funding)

Statut suisse dans Erasmus+



- **1992-1994**
- association CH *Erasmus & Comet II*



- **1995-2010**
- participation indirecte CH



- **2011-2013**
- association CH *Lifelong Learning/ Jeunesse en action*



- **2014-2017**
- Solution transitoire pour Erasmus+

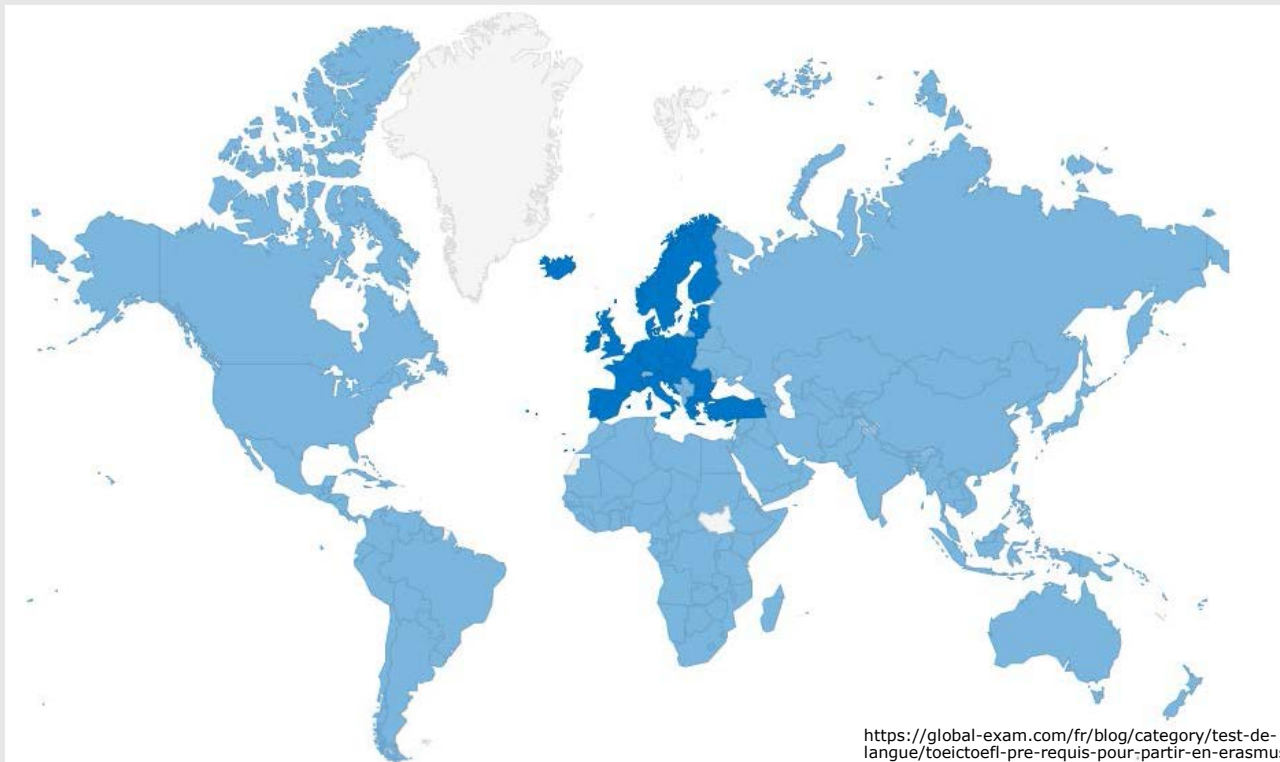
- **2018-2020**



Statut suisse dans Erasmus+

Suisse = « Pays partenaire » (région 5)

→ participation **limitée** et **sous conditions**
(déterminé par la catégorisation régionale)



Pays participants au
programme
(bleu foncé)

Pays partenaires
(bleu clair)

Solution transitoire de la Suisse

Priorité pour la mobilité et l'éducation supérieur

Mise en oeuvre
(depuis le 1 janvier 2017):



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Le futur?



Questions



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