

OPPORTUNITÉ POUR LES IR DANS D'AUTRES APPELS H2020

Appel ERC Synergy G. Fusai, PCN ERC

Journée nationale d'information – 17/10/2017, Paris (MESRI)





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Appel Synergy 2018



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Background

- 2012-2013: two pilot Synergy grant calls
 - ➔ 1,5-3% success rate: 24 projects selected
- 2015: Assessment by the ERC Scientific Council of the pilot funding schemes
- 2016: Decision by the ERC Scientific Council to relaunch the SyG scheme
 - Implementation: 2018 Work Programme





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SYG 2013-2013 CALLS

PILOT SCHEME ASSESSMENT



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2012-2013 Synergy pilot scheme Assessment method



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- Site visits to all 24 Synergy projects
- No Scientific evaluation
- Assessment included :
 - Open session with research team on:
 - Goals and status of the project
 - Vision and strategies
 - Challenges
 - Reaction from research community
 - Session with PhD students and postdocs



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2012-2013 Synergy pilot scheme Assessment report : conclusions (I)



- Synergy grant scheme would be a valuable addition to the current ERC frontier schemes
- Why?
 - Highly ambitious research goals that cannot be achieved by a single PI
 - Complementarity of PIs/teams essential
 - Cross-fertilization of disciplines and signs of new fields emerging



2012-2013 Synergy pilot scheme Assessment report : conclusions (II)



- Why having a SyG scheme?
 - Seed' effects visible: expanding the fields and attracting further funding
 - Early career scientists team members broaden their expertise and opportunities
 - Increased and/or unconventional collaborations between institutions



2012-2013 Synergy pilot scheme Assessment report : recommendations(I)



- To run on a yearly basis
- 2 or 3 or 4 Principal Investigators
- No restrictions on localization of PIs
- More streamlined evaluation process



2012-2013 Synergy pilot scheme Assessment report : recommendations (II)



- Excellence is the sole criterion for evaluation, with intrinsic synergetic effects
- Ambition of the research question and complementarity or interdisciplinarity of the approach to be emphasized
- Indicative budget of 10 M€ per grant, allowing for flexibility and top-ups (up to 4 M€ more)





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SYG 2013-2013 CALLS

OVERVIEW OF THE EVALUATION RESULTS



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2012 - 2013 Synergy pilot scheme Overall results



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Synergy 2012

Synergy 2013

- 710 proposals submitted
- 11 proposals selected for funding (5 PE, 4 LS, 2 SH)
- 38 PIs (10 nationalities)
- 20 Host Institutions (7 countries)
- Success rate : 1,5%
- Average budget requested:

€ 11.5m

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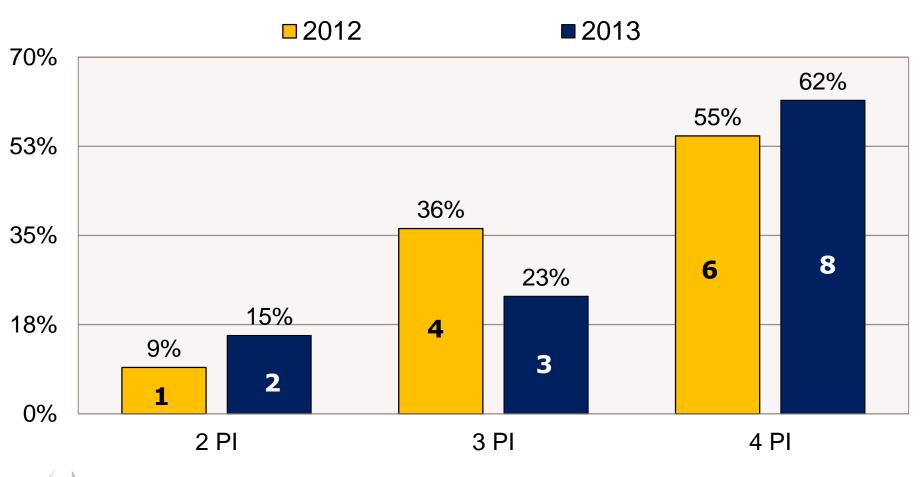
- 13 proposals selected for funding
 - (6 PE- 5 LS- 2 SH)
- 45 PIs (14 nationalities)
- 38 institutions (12 countries)
- Success rate : 3%
- Average budget requested:
 €12.5 m



2012 - 2013 Synergy pilot scheme Grouping of PIs of funded proposals



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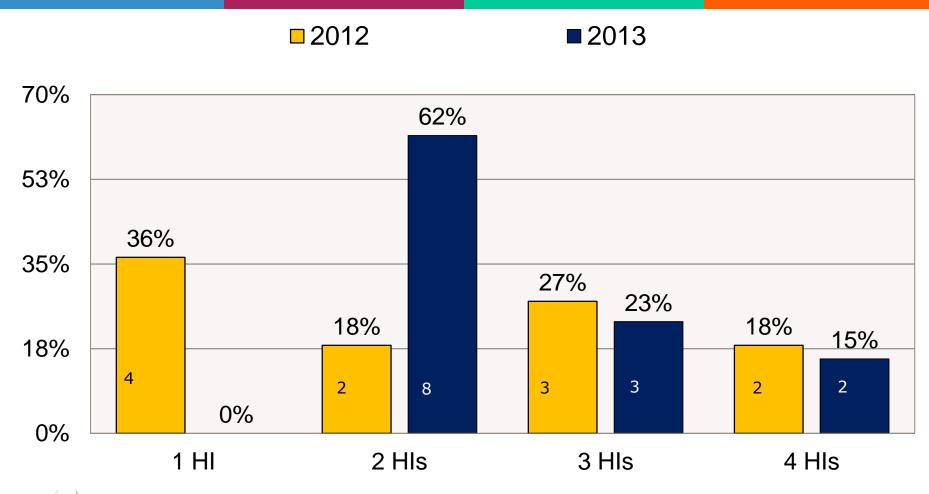


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2012 - 2013 Synergy pilot scheme Grouping of proposals by Host Institutions (H



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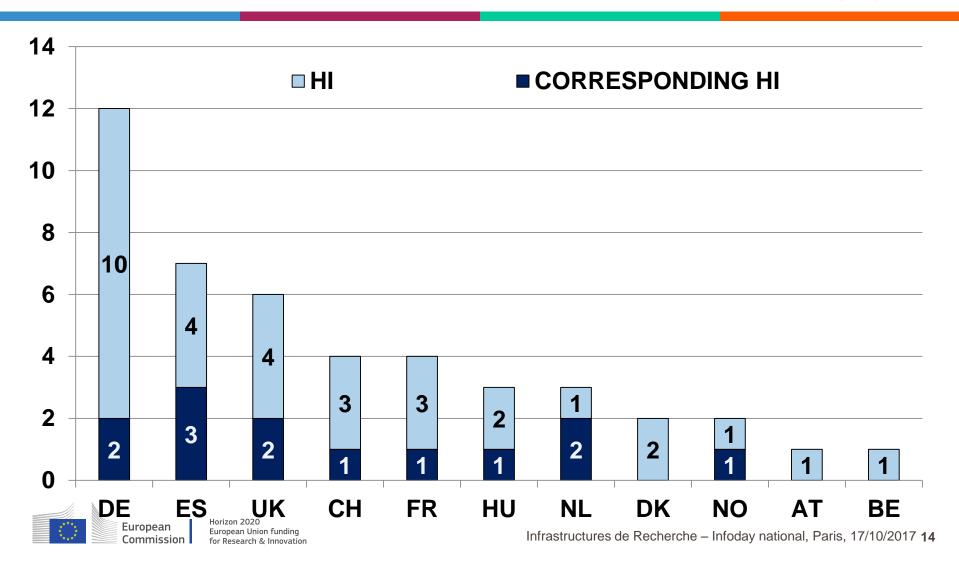




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2013 Synergy pilot scheme Host Institution distribution by country







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SYG 2018 CALL

MAIN FEATURES



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2018 Synergy Grant scheme Objectives



- Looking for scientific breakthroughs that can be achieved only by working in complementary teams, not by a PI alone
- 2 to 4 PIs jointly address *in a unique synergetic effect* ambitious research problems to :
 - achieve substantial advances at the frontiers of knowledge
 - to enable transformative research on a global scale
 - → to encourage **new productive lines** of enquiry

new methods and techniques, including unconventional approaches and investigations at the interface between
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2018 Synergy Grant scheme Background information



How 'Synergy' is understood for the scope of the grants

- Each proposal must demonstrate that its objectives can only be achieved through the specific combination of knowledge and skills brought together by the PIs
- Each proposal must highlight its synergetic effects, namely that the end result is substantially greater than the sum of the individual components

These substantial added values distinguish the Synergy Grant scheme from the simple cooperation, consortia or networking aspects of many EC funding programmes.

High Risk aspects

Proposals are expected to include high risk elements. The risks and how they will be managed have to be well thought through and explained in the proposal.



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2018 Synergy grant scheme Budget and Planning

pending the adoption of the ERC Work Programme 2018 in July 2017



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- Indicative budget foreseen for 2018: 250 M€
 - → 25-30 projects to be selected
- Maximum budget per grant :10 M€
 - → with additional 4 M€ in case:
 - a) "start-up' costs for Principal Investigators moving to the EU or AC and/or
 - b) the purchase of major equipment and/or
 - c) access to large facilities
- Maximum duration : 6 years
- Indicative call opening: 19 July 2017
- Indicative call closure: 14 November 2017

• Proposals to be evaluated between November 2017 and September 2018. ^{Horizon 2020} ^{European} ^{Commission} ^{Infrastructures de Recherche – Infoday national, Paris, 17/10/2017} 18

2018 Synergy grant scheme **Profile of the Principal Investigators**

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pending the adoption of the ERC Work Programme 2018 in July 2017

- 2 or 3 or 4 Principal Investigators
- No restrictions on location of Pls
 - PI can come from the same corridor in one HI, different HIs within \rightarrow one country, or from different countries (within EU or AC)
- Pls to be considered as equal, but a corresponding Pl to be designated who will be the administrative contact for the duration of the project.
- Time commitment: \geq 50% of working time in EU or AC and ≥30% of working time on the ERC project





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2018 Synergy Grant scheme

Profile of the Principal Investigators

pending the adoption of the ERC Work Programme 2018 in July 2017



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Applications are expected from a group of innovative and active Principal Investigators who :

 must present an early achievement track-record or a 10-year track-record whichever is most appropriate for their career stage (see Starting, Consolidator and Advanced Grant profiles).

ERC Synergy Grants are designed to foster research at the intellectual frontiers. New types of joint effort may be needed that allow for :

- new combinations of skills and disciplines,
- or the bringing together of researchers from different institutions, sectors or countries.



2018 Synergy Grant scheme Proposal Structure



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Part B1:

- 5 pages Synopsis,
- 2 pages for the CVs of each PI,
- 2 pages for the track record for each PI

Part B2:

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- 15 pages scientific proposal (budget and references excluded)
- each PI to indicate their budget breakdown,
- in addition : one joint budget table

Exclusion of reviewers

up to 6 people can be excluded from evaluating the proposal

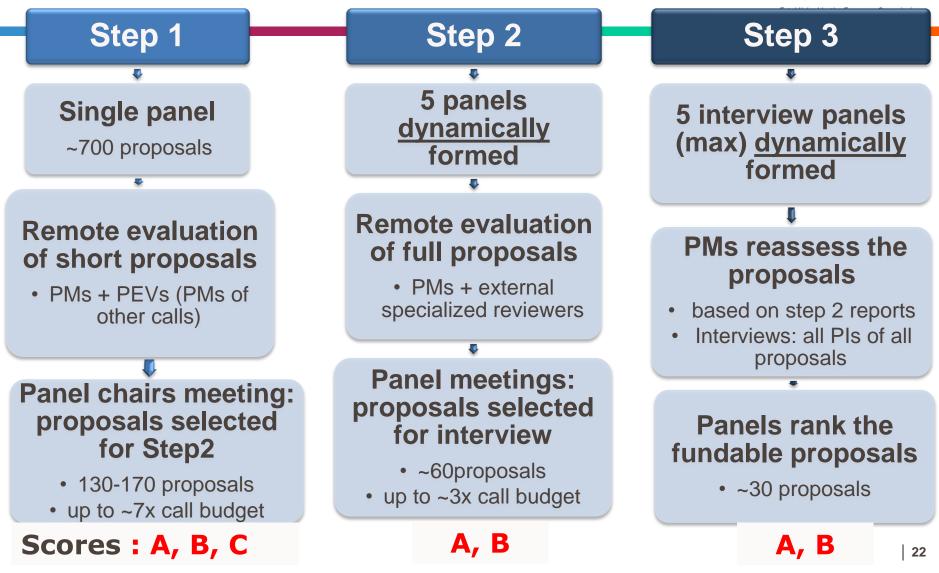


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2018 ERC Synergy Grants Evaluation process



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2018 ERC Synergy Grants Evaluation criteria

pending the adoption of the ERC Work Programme 2018 in July 2017



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- Similar to the other frontier ERC grants :
 - *Research project*: ground-breaking, ambition, feasibility
 - Individual Pls : intellectual capacity, creativity, commitment
- In addition, synergetic aspects :
 - Complementarities : profiles of the PIs, fields of research, ...
 - Working arrangements: innovative, collaborative...



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Scientific added-value

2018 ERC Synergy Grants Resubmission restrictions

pending the adoption of the ERC Work Programme 2018 in July 2017

Score B at Step1 or Step2

A Principal Investigator whose proposal was evaluated as **category B at step 1 or step 2** in the Synergy Grant call for proposals under Work Programme 2018 may <u>not</u> submit a proposal to the Synergy Grant calls for proposals made under Work Programme 2019.

Score C at Step1

A Principal Investigator whose proposal was evaluated as **category C at step 1** in the Synergy Grant call for proposals under Work Programme 2018 may <u>not</u> submit a proposal to <u>any</u> ERC research grant calls for proposals made under Work Programme 2019 or for the Synergy Grant call in 2020.

Breach of Research Integrity

<u>All</u> Principal Investigators whose proposal was rejected on the grounds of a breach of research integrity in the Synergy Grant calls for proposals under Work Programme 2018 may not submit a proposal to the calls for proposals made under Work





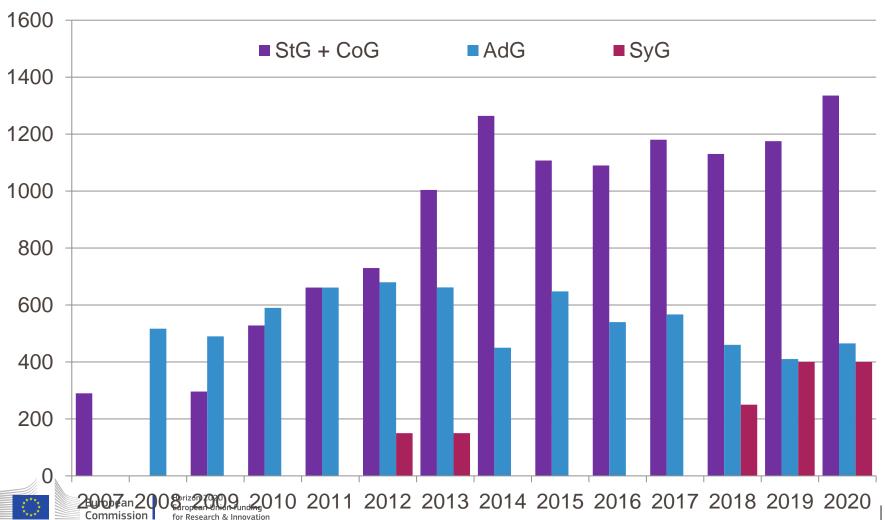
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Call Budgets with Synergy Calls



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SYG 2012-2013 CALLS

EXAMPLES OF FUNDED PROJECTS



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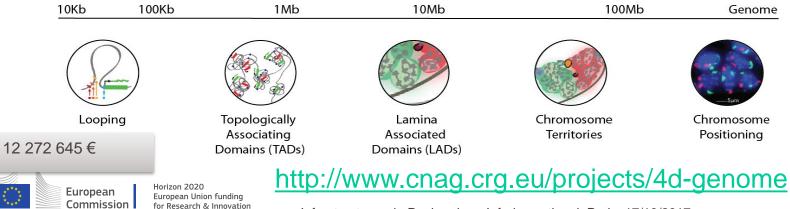
SyG 2013: 4D-GENOME



 "Dynamics of human genome architecture in stable and transient gene expression changes"

Miguel Beato del Rosal	Fundació Privada Centre de Regulació Genòmica	ES
Thomas Graf	Fundació Privada Centre de Regulació Genòmica	ES
Guillaume Filion	Fundació Privada Centre de Regulació Genòmica	ES
Marc Martí-Renom	National Center for Genomic Analysis	ES

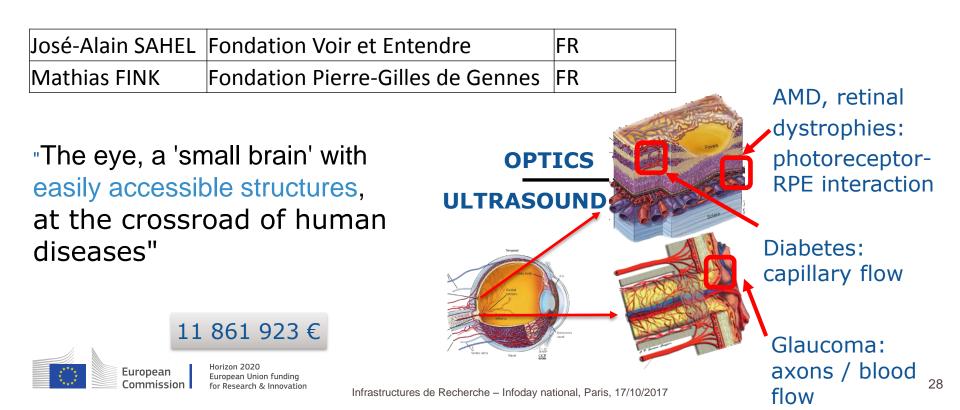
'Do temporal changes in the genome 3D structure contribute to gene regulation?'



SyG2012 : HELMHOLTZ



 "Holistic evaluation of light and multiwave applications to high resolution imaging in ophthalmic translational research revisiting the helmholtzian synergies"



SyG2012 : dHCP



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"The Developing Human Connectome Project"

Anthony David Edwards	King's College London	UK
Joseph Hajnal	King's College	UK
Daniel Rueckert	Imperial College	UK
Stephen Smith	Oxford University	UK

Create a dynamic map of human brain connectivity from 20 to 44 weeks post-conceptional age, which will link together imaging, clinical, behavioural, and genetic information.

http://www.developingconnectome.org/

14 900 000 €



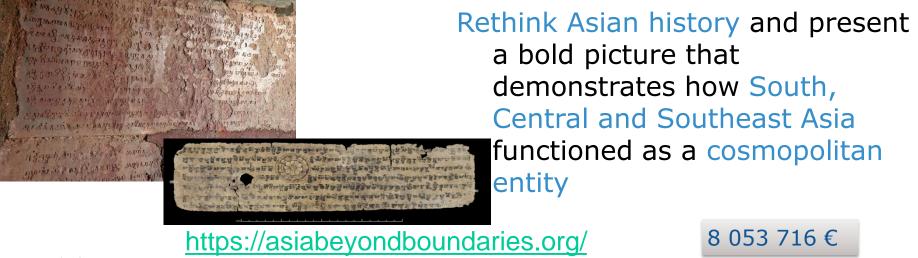






"Beyond Boundaries: Religion, Region, Language and the State"

Michael WILLIS	British Museum	UK
Sam Julius van SCHAIK	The British Library	UK
Nathan HILL	School of Oriental and African Studies, University of London	UK





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- Highly competitive call
- Proposals likely to be funded will :
 - demonstrate that the truly ambitious research questions could lead to breakthroughs only through the joint effort of the complementary and synergistic group of PIs.
 - yield possibly either unforeseen, completely new science, to cross fertilize disciplines or to solve important research problems that until now could not be dreamt of solving.
- Tough future restrictions on submissions planned
 - Pls evaluated with a C score in 2018 will not be able to apply to any ERC call in 2019.



Indicative summary of 2018 calls



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	Starting Grant	Consolidator Grant	Advanced Grant	Synergy Grant	Proof of Concept Grant
Call Opens	18/07/2017	24/10/2017	17/05/2018	19/07/2017	18/07/2017
Deadline or cut-off dates for PoC	17/10/2017	15/02/2018	30/08/2018	14/11/2017	16/01/2018 18/04/2018 11/09/2018
Budget million EUR (estimated number of grants)	583 (391)	553 (287)	452 (194)	250 (30)	20 (130)
Planned dates to inform applicants (after each step or cut-off date)	14/05/2018 14/08/2018	06/07/2018 30/11/2018	29/01/2019 08/04/2019	23/04/2018 29/08/2018 19/10/2018	30/03/2018 21/06/2018 10/12/2018 3

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- More information on the SyG2012&2013 funded projects: <u>https://erc.europa.eu/projects-figures/erc-funded-projects/</u>
- National Contact Point: erc.europa.eu/national-contactpoints
- Sign up for news alerts: erc.europa.eu/keep-updated-erc





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