# Résultats Innovation Launchpad Sept. 2017 (CSA)

## PCN FET, Févr. 2018

# Contexte

- Appel à projets : FETOPEN-04-2016-2017: FET Innovation Launchpad

- Date limite soumission (2<sup>ème</sup> appel launchpad) : **27/09/2017**

- Objectif : **consolider le potentiel d'innovation** de projets FET récents

  - ➤ *achevés depuis moins de 18 mois*

  - ➤ *ex- FET OPEN, FET PROACTIVE, FET HPC…*

  - ➤ *ex- FP7, H2020…*

- Budget affiché pour l'appel : **1,8 M€**

  - ➤ *i.e. entre 1,2 M€ (2016) et 2,5 M€ (2018) … jusqu'à 3,0 M€ (2020)*
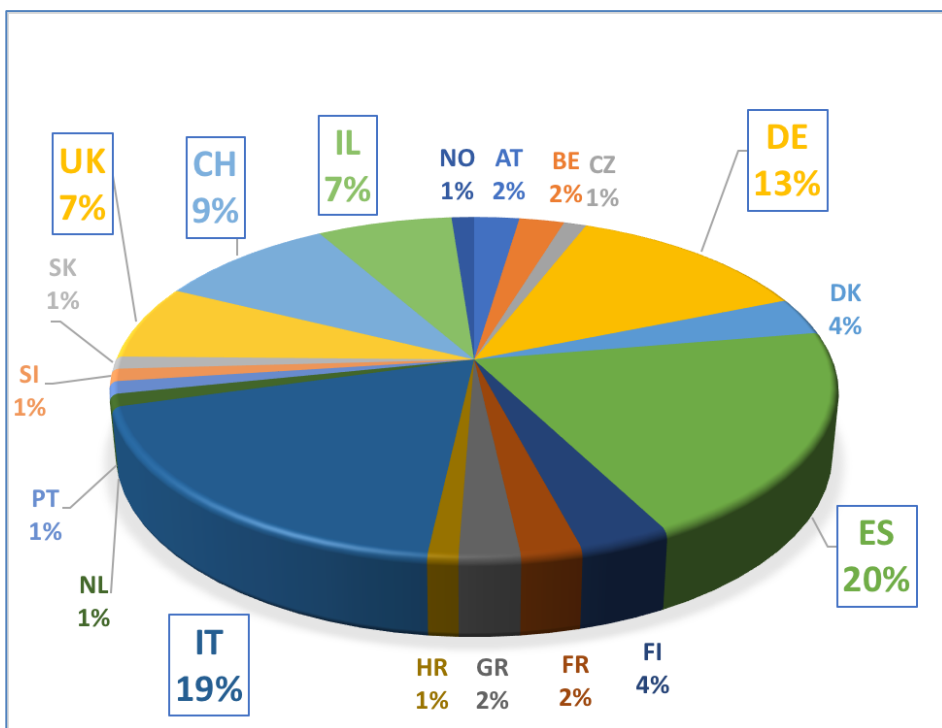
- Budget par projet : **< 100 K€**

# Résultats de l'appel 2017 : quelques chiffres

- **19 projets lauréats** sur 50 projets soumis

  ➢ *Taux de succès : **38 %** (à comparer à 19% en 2016 avec 89 soumissions)*

- Montant réel de l'aide accordée pour l'appel 2017 : 1,89 M€

- Pays bénéficiaires (projets lauréats en coordination):

  ➢ Espagne (4 coord.), Allemagne (3 coord.), Suisse (2 coord.)

  ➢ AT, BE, DK, FI, GR, IL, IT, NL, PT, UK (1 projet lauréat chacun)

- La France était partenaire de 2 projets (!), aucun n'est lauréat

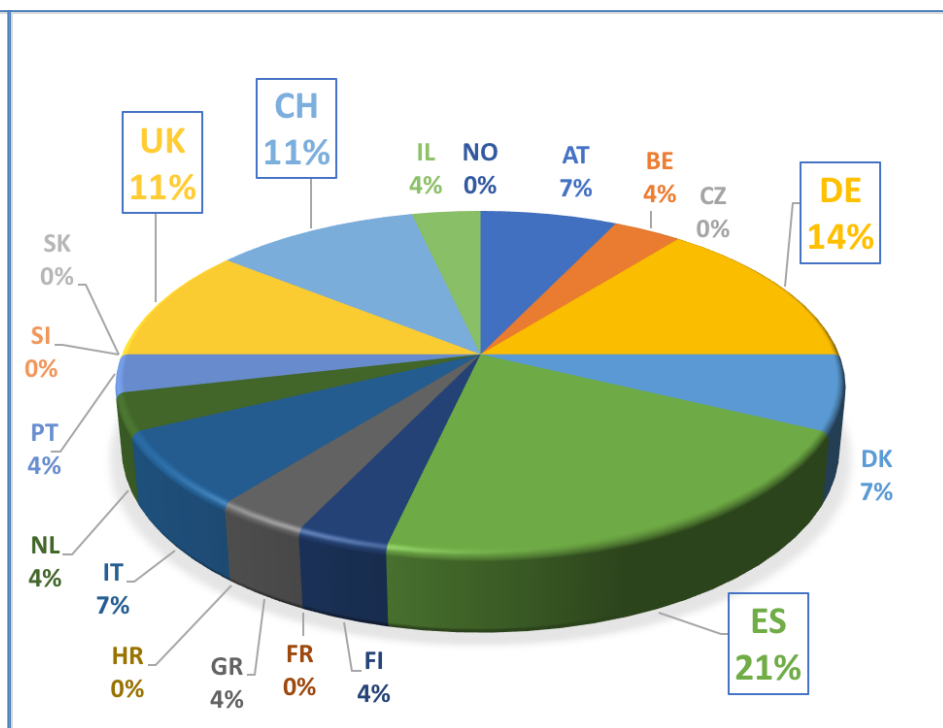  ➢ Scores FR : 4,05 et 4,00 (below budget) - la limite était à 4,20

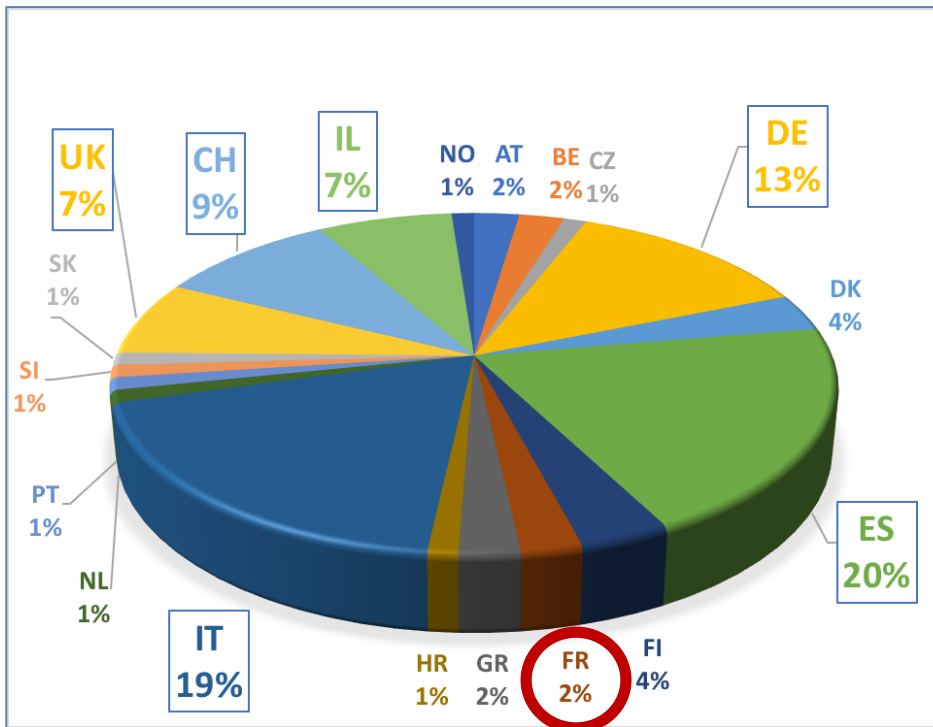# 19 pays participants (coordinateurs et partenaires)

## Projets soumis



UK 7%
CH 9%
IL 7%
NO 1%
AT 2%
BE 2%
CZ 1%
DE 13%
SK 1%
DK 4%
SI 1%
PT 1%
NL 1%
IT 19%
HR 1%
GR 2%
FR 2%
FI 4%
ES 20%

## Projets lauréats



UK 11%
CH 11%
IL 4%
NO 0%
AT 7%
BE 4%
CZ 0%
DE 14%
SK 0%
SI 0%
PT 4%
NL 4%
IT 7%
HR 0%
GR 4%
FR 0%
FI 4%
DK 7%
ES 21%

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# 19 pays participants
## (coordinateurs et partenaires)

**Projets soumis**

**Projets lauréats**
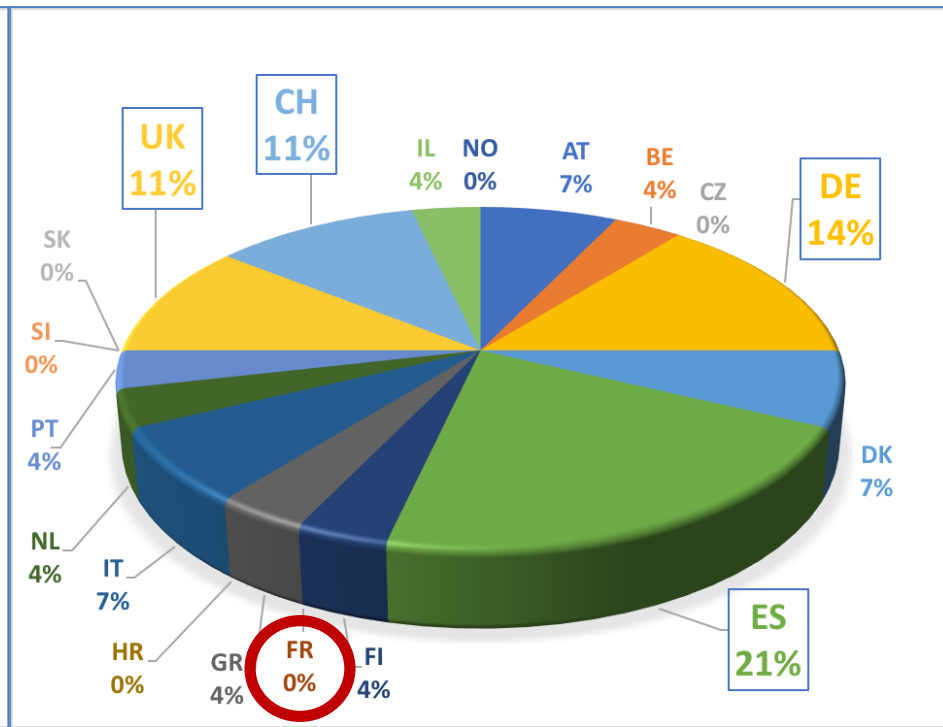
**Projets soumis:**
- UK 7%
- CH 9%
- IL 7%
- NO 1%
- AT 2%
- BE 2%
- CZ 1%
- DE 13%
- DK 4%
- SK 1%
- SI 1%
- PT 1%
- NL 1%
- IT 19%
- HR 1%
- GR 2%
- FR 2%
- FI 4%
- ES 20%

**Projets lauréats:**
- CH 11%
- UK 11%
- IL 4%
- NO 0%
- AT 7%
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- DE 14%
- SK 0%
- SI 0%
- PT 4%
- NL 4%
- IT 7%
- HR 0%
- GR 4%
- FR 0%
- FI 4%
- ES 21%
- DK 7%

# Taux de succès des 19 pays participants
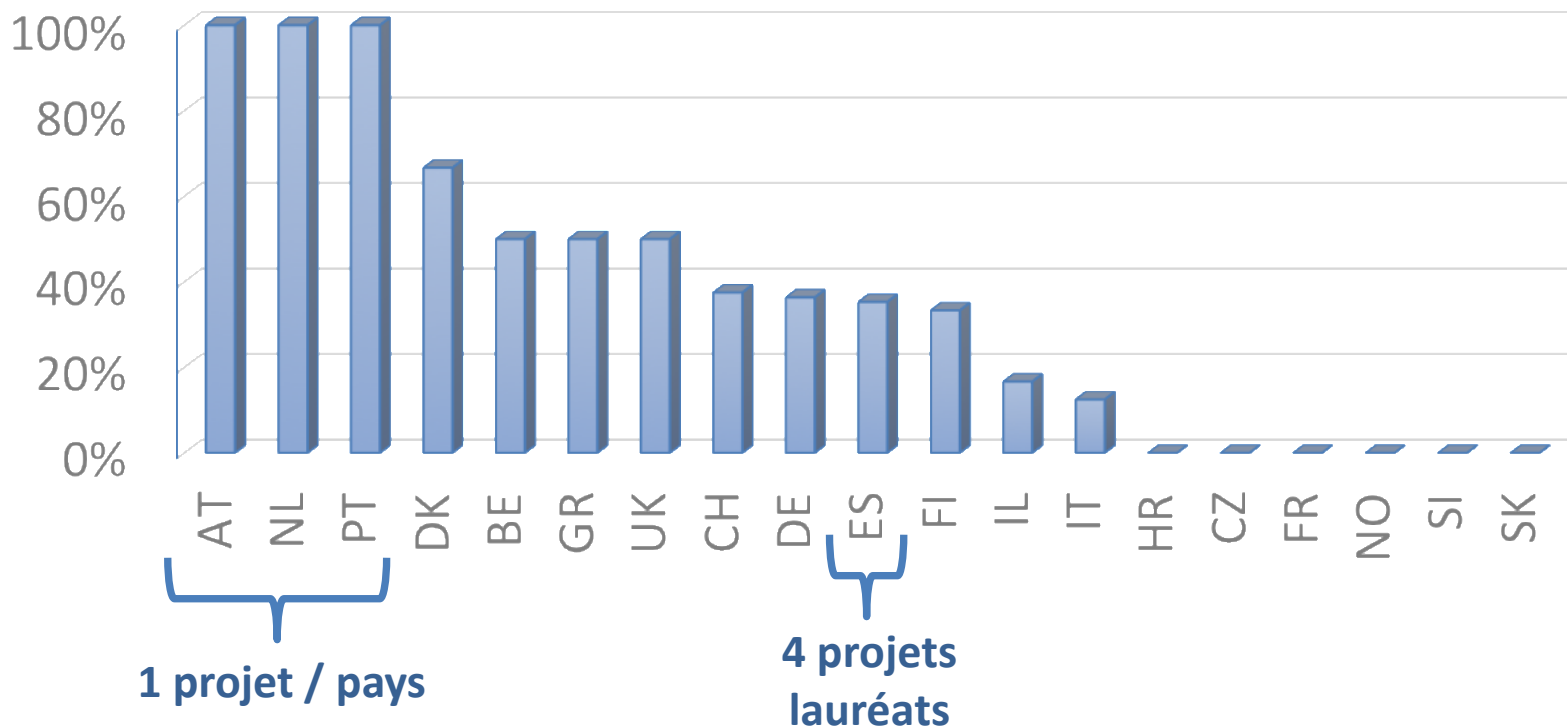## *(moyenne = 38%)*



1 projet / pays

4 projets
lauréats

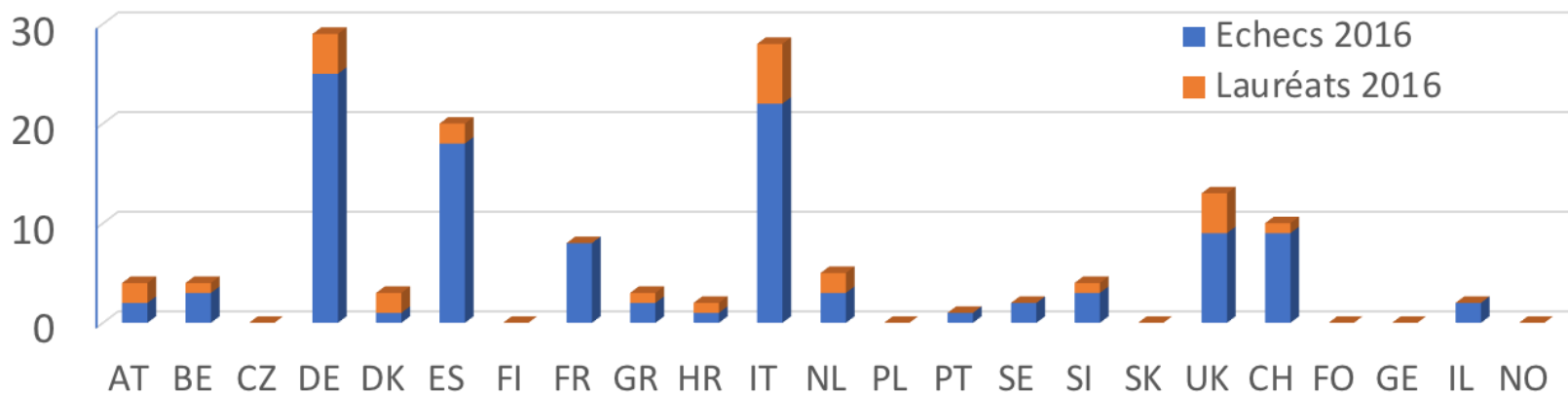# Taux de succès des 19 pays participants
## *(moyenne = 38%)*

| ES | UK | DE | IT | FR |
|---|---|---|---|---|
| 45,5 % | 40,0 % | 36,4 % | 18,2 % | 0 % |



**1 projet / pays**

**4 projets lauréats**

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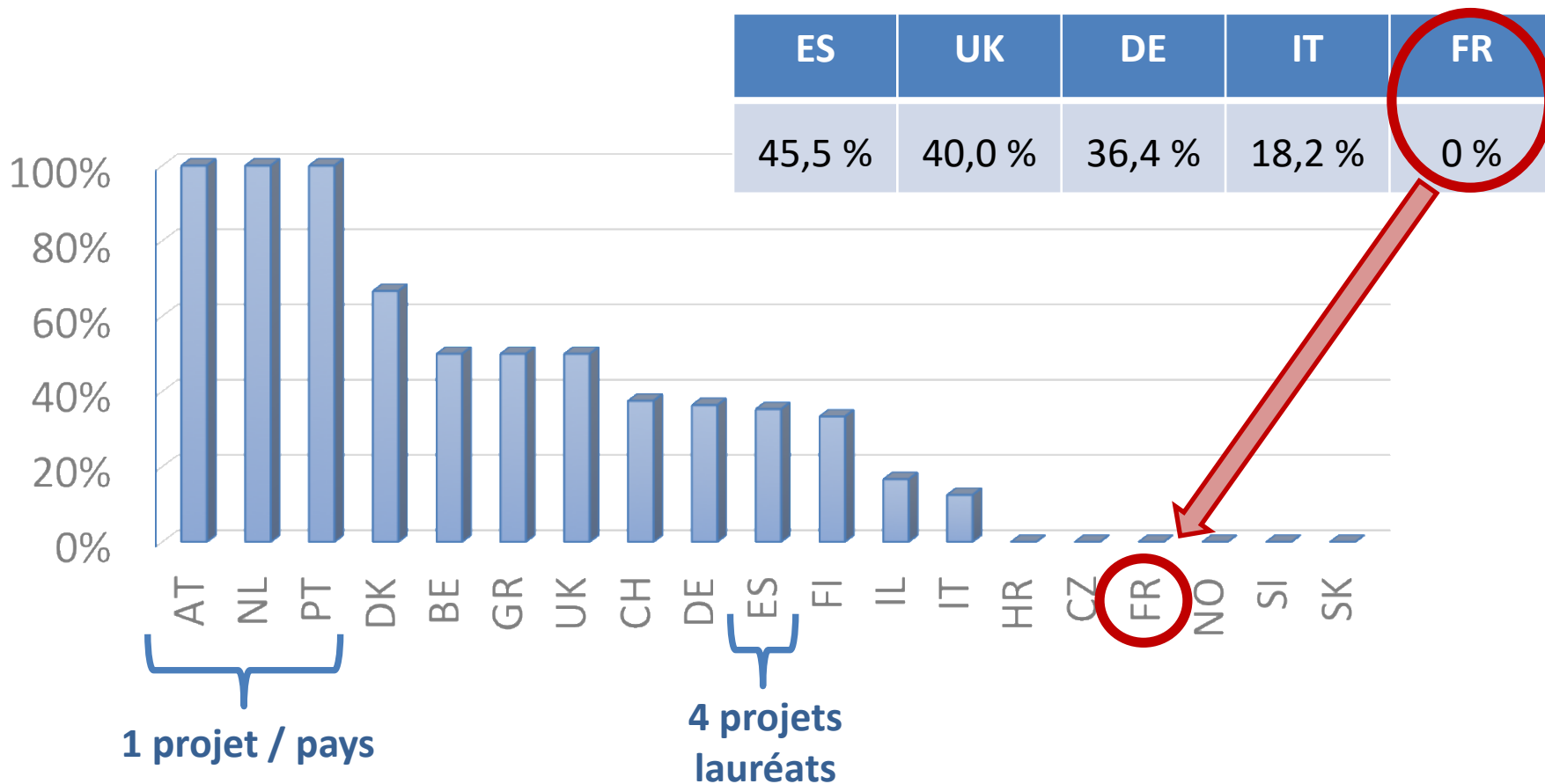
# Comparaison des participations 2016 et 2017
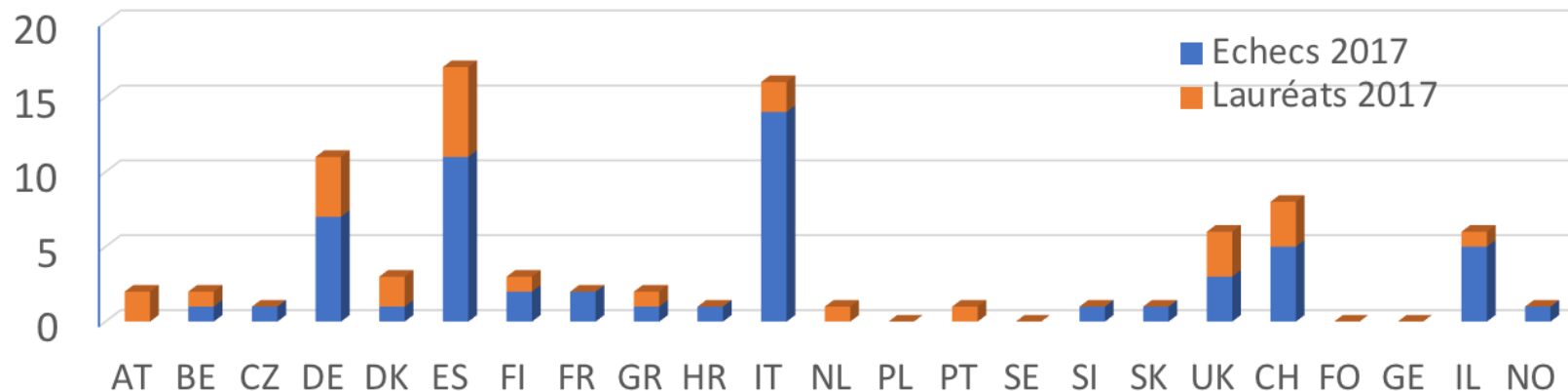
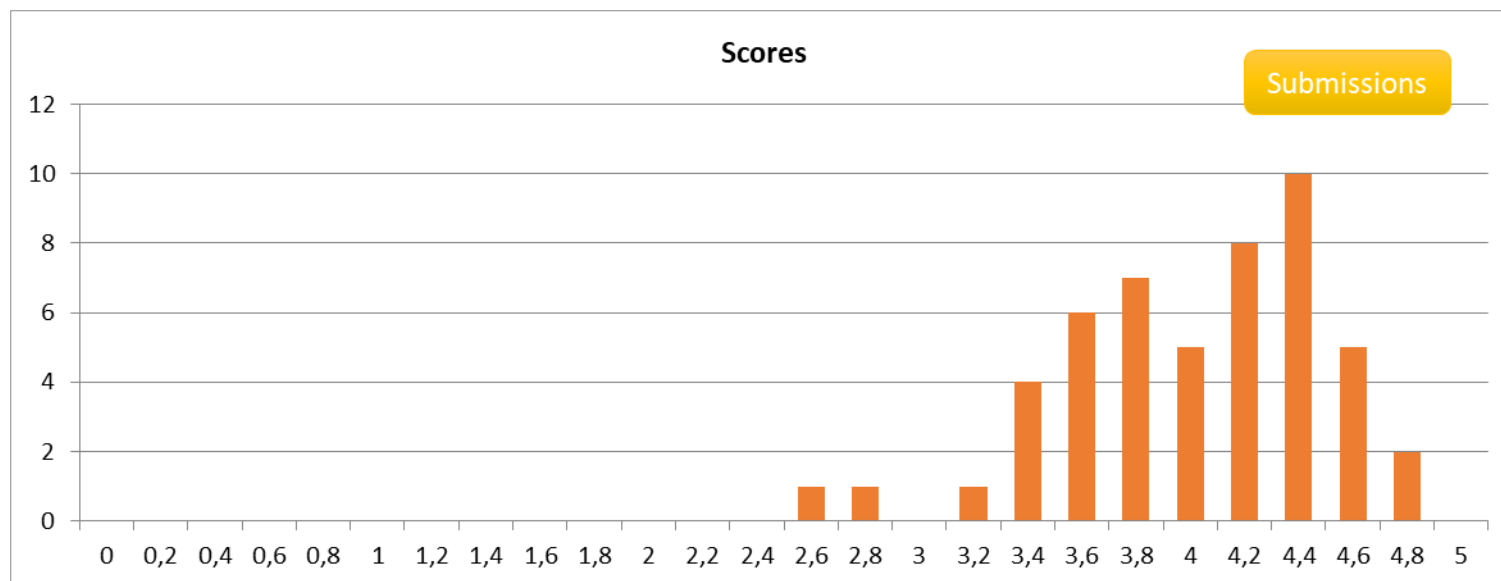# Comparaison des participations 2016 et 2017

# Notes des Projets

- La médiane des notes s'établit à 4,08/5
- La médiane pour la FR est de 4,03
- Médiane des grands pays de l'UE

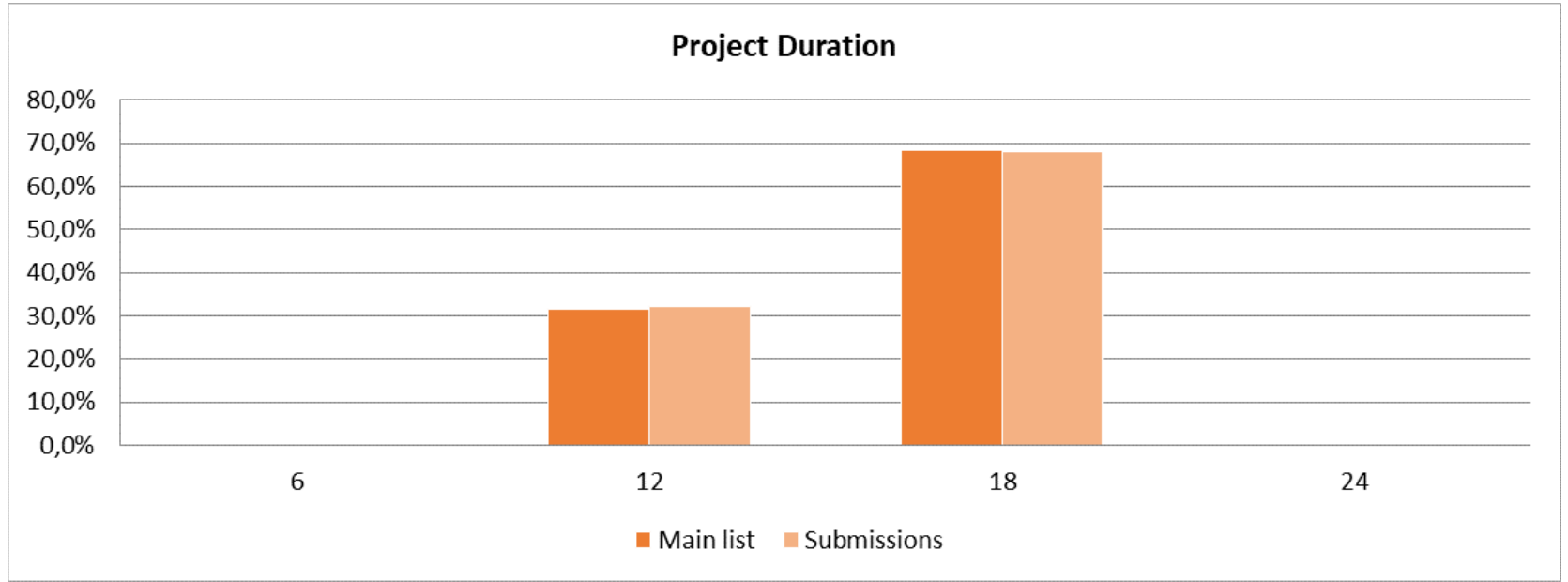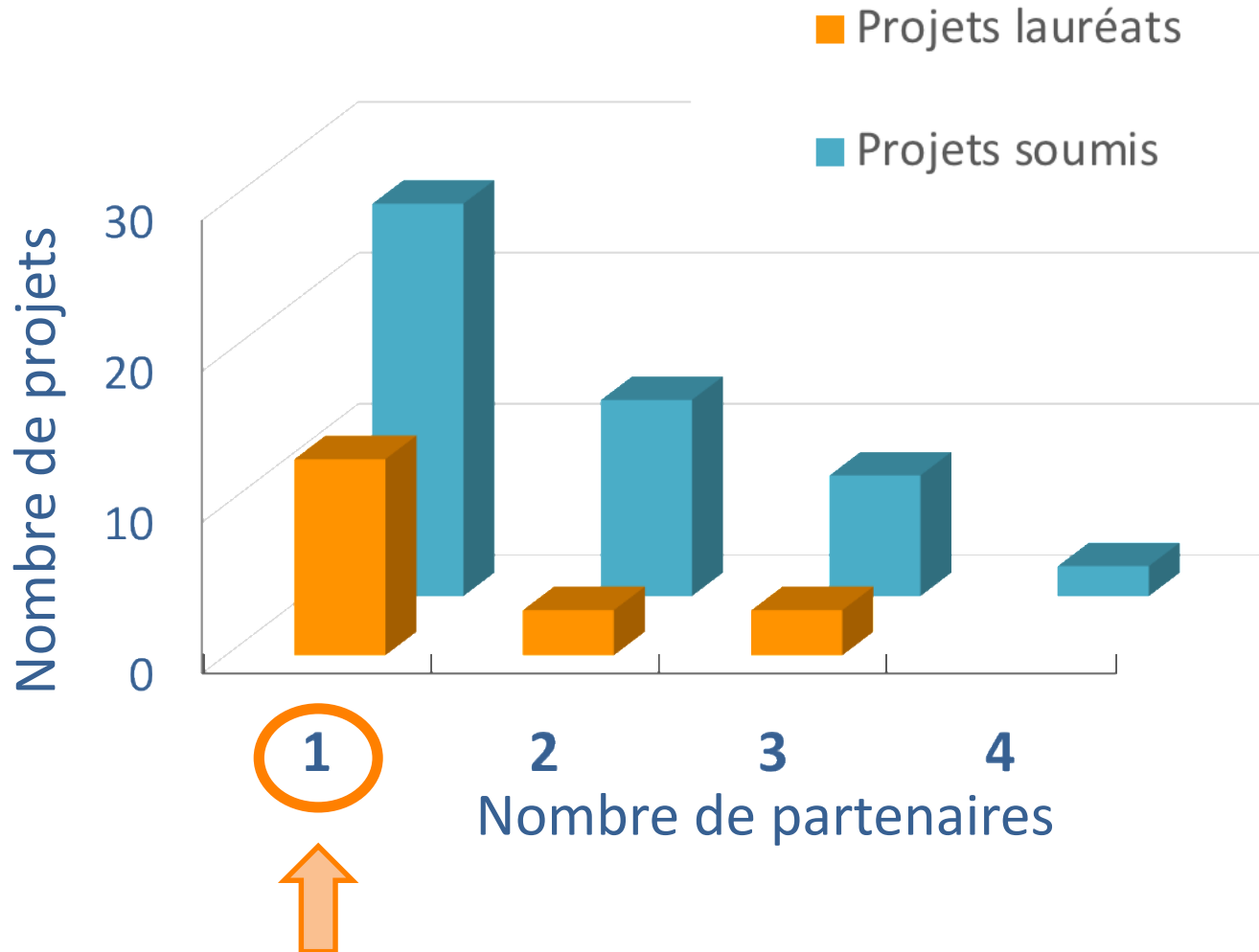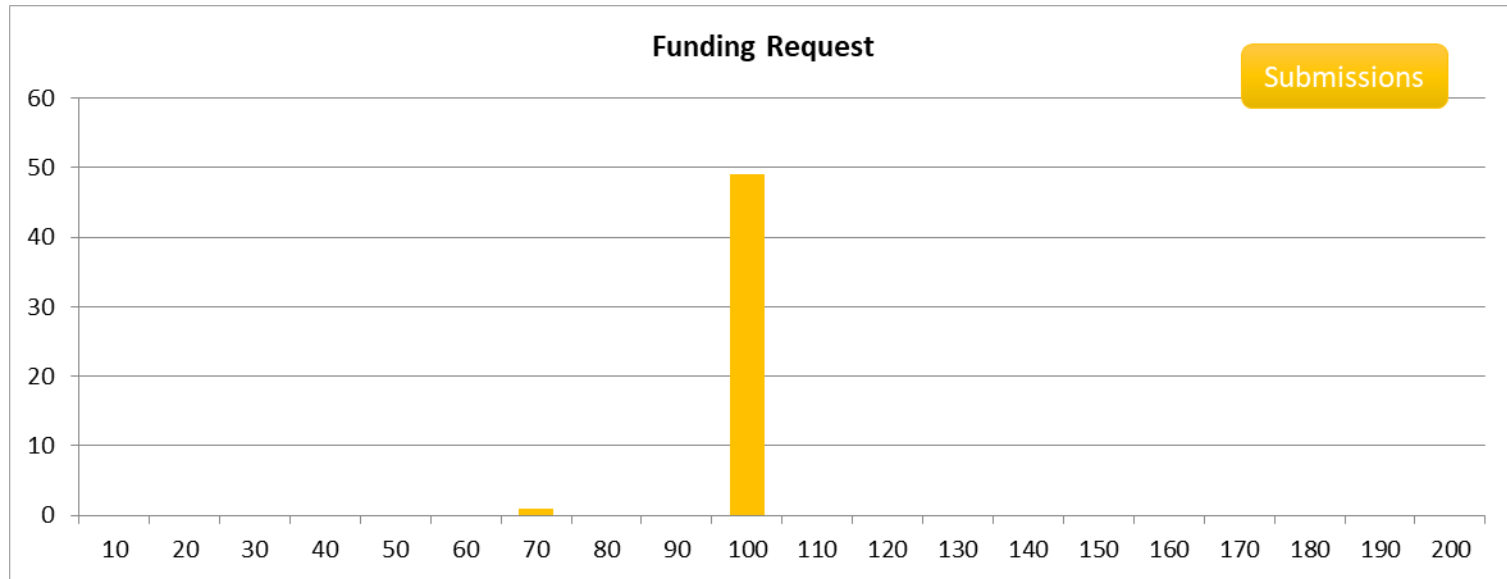| ES | UK | DE | FR | IT |
|------|------|------|------|------|
| 4,15 | 4,15 | 4,05 | 4,03 | 4,00 |



Scores

# Durée des Projets (en mois)

# Taille des Consortiums

# Demande d'Aide (M€)

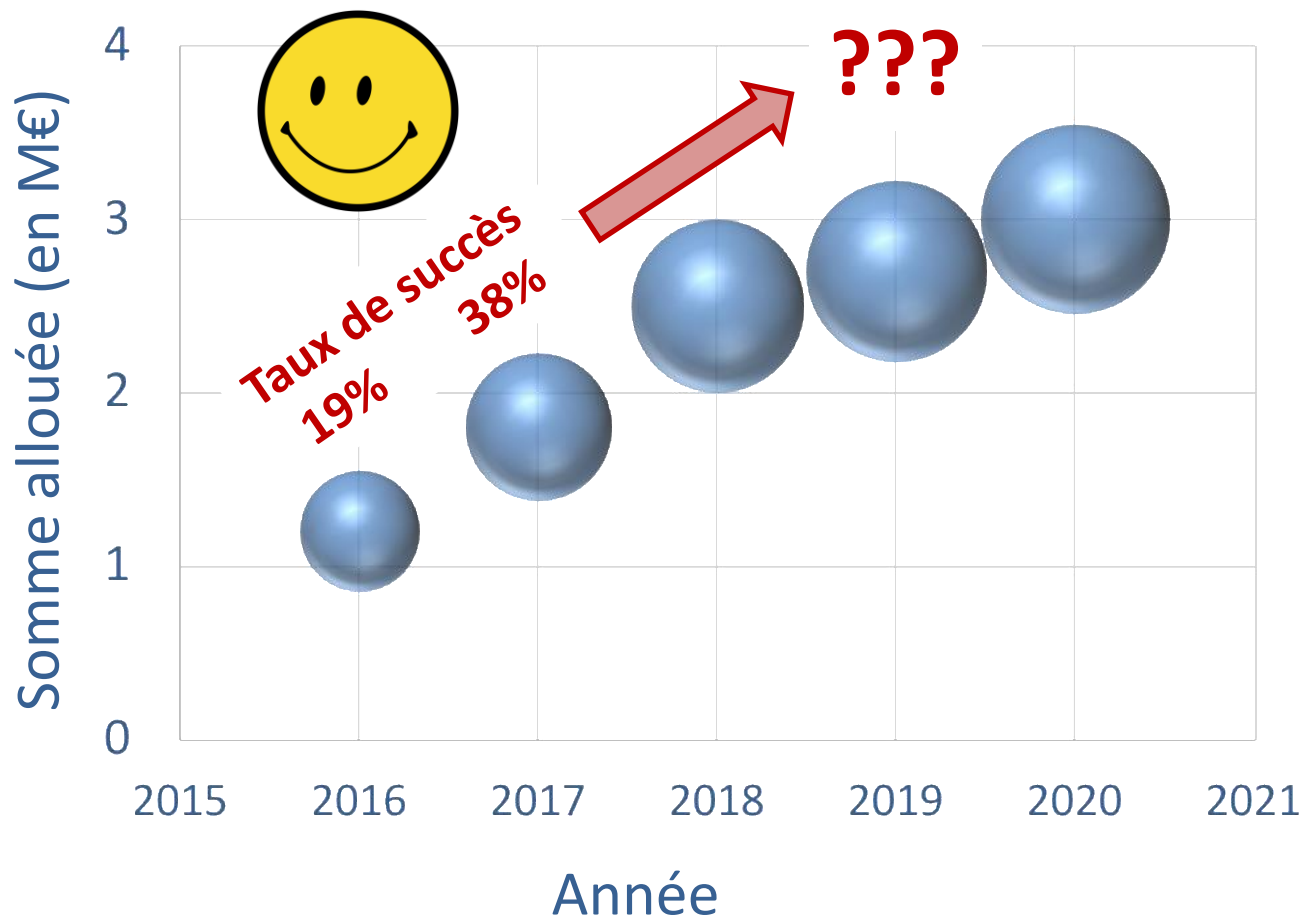- Les demandes de financement sont concentrées presqu'exclusivement sur 100 K€

**Funding Request**

Submissions

# Evolution des budgets 2016-2020

# Evolution des budgets 2016-2020

# Projets Sélectionnés 2017

| Acronyme | Titre | FR |
|---|---|---|
| MagElastic | Magneto-elastic technologies for point-of-care diagnostics | Non |
| UVALITH | Continuous Wave, Tunable Monolithic Frequency Converter | Non |
| DeLight | Digital Resonant Laser Printing for Mass Customization of Flat Optics | Non |
| LaBionicS | Laser Bionic Surfaces | Non |
| E-SPECTR | Excitation Spectroscopy Sensor | Non |
| OPTIMISM | Optical Microresonator Stabilization Module – Creating Frequency Stabilized Lasers | Non |
| HYSCALA | Hybrid SCAlable sparse matrix Linear Algebra for industrial applications | Non |
| MEDISS | MEDical Imaging with Superconducting Sensors | Non |
| Quake | QBeast Utility Analysis to marKet and Enterprise | Non |
| QPARK | A Quantitative Approach for Smart Parking | Non |
| QPlay | Playing Quantum | Non |
| FUTURA2020 | Focused Ultrasound Therapy Using Robotics Approaches towards 2020 | Non |
| NeuroMotive | NeuroRobotics Platform Application to Traction Control for Automotive Industry | Non |
| NanoMAGIQ | Nanoscale magnetic imaging with quantum sensors | Non |
| GFAB | Commercial-scale Graphene Electronic Devices Fab | Non |
| Hermes SR | Hermes Super Resolution microscopy system | Non |
| TALVIN | Inhibiting mechanotransduction for the treatment of pancreatic cancer | Non |
| SMARCOS | Smart Modular Actuator for Robotic Compliant Systems | Non |
| CellFreeImplant | Cell-free Ti-based Medical Implants due to Laser-induced Microstructures | Non |

# L'analyse des ESR : critères d'évaluation

**Critère 1 : excellence** *(40%, threshold 3/5)*

- Clarity and quality of the innovation idea and its <u>link with the previous on going FET project</u> indicated in the proposal.
- Concretness of objectives and their pertinence for <u>moving the output</u> of FET research through the initial steps of a process leading to a <u>commercial or social innovation</u>.
- Suitability and necessity of the proposed activities to reach the stated objectives, including their <u>complementarity to actions already foreseen</u> or expected from the previous or ongoing FET project.

**Critère 2 : Impact** *(40%, thershold 3,5/5)*

- <u>Added innovation potential</u> with respect to the FET project from which the innovation originates
- Extent of <u>economic and/or societal benefits</u> resulting from the innovatin as identified in the proposal
- Suitability of measures for taking the <u>innovation beyond the research world</u>, including through engagement with <u>prospective exploitation partners, other stakeholders, users or society</u>

**Critère 3 : Quality and efficiency of the implementation** *(20%, thershold 3/5)*

- Quality of workplan and management
- Relevance of expertise in the consortium
- Appropriate allocation and justification of resources (person-months)

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# L'analyse des ESR : critère 1 «(Excellence)

- Project very clear, concrete and credible objectives

- Link to intial project clearly established

- High quality innovation, disruptive positionning well explained

- Relevant set of business issues (IP-strategy, market analysis)

- Adequate risk assessment (legal, technical, regulatory)

- Technical comparison with current existing alternatives is provided

- Proven market potential

- Clear plan on how to involve end users

- Specific key performance indicators

- First step toward commercialisation

# L'analyse des ESR : critère 1 «(Excellence)

- Difficult to differenciate from the initial FET project

- Almost no information on how to go beyond research

- Very generic innovation content, quality of potential innovation is vague, listed measures and objectives could fit with any proposal

- Steps towards commercialisation are not convincing

- Actions related to exploitation plan are not sufficiently considered

- Insufficient details on user needs and market analysis, lack of go-to-market strategy

- Inadequate discussion of technology transfer, licencing, IP protection

- Expected societal rather than commercial benefits

- Somes objectives are not encompassed in any work package

- The proposal contains only intentions

- No performance indicators

- Not supported by a roadmap

- TRL level of solution is not presented

# L'analyse des ESR : critère 2 (Impact)

- Project will contribute to new start up

- Project capable of output to commercial and social innovation

- Construction of a marketing strategy and building of a business model, well explained

- Feasible commercial development plan

- Activities are suitable for going one step up on the TRL scale (up to 7)

- Activities carefully selected (market research, product characterisation, develop IP strategy and business and financial plans)

- Adds commercial and public health value to the initial project

- Proposal's objectives include all relevant steps (e.g. business case for the demonstrator kit, IP protection, market analysis and other activities for the spin off preparation)

# L'analyse des ESR : critère 2 (Impact)

- Focused on development of a research idea rather than on exploitation

- No evidence of concrete cooperation with commercial partners (but only potential)

- Benefit at european scale described superficially

- No information about barriers and obstacles

- Insufficient description and understanding of customers requirements

- Lack of financial figures to justify the economic impact

- Creation of job is potential but not uncertain

- The step toward commercialization is incremental

- Stakeholders defined in a generic manner

- Planned objectives rely on a generic plan and not on a ready-to implement strategy

- Similar technology is available in international market at a lower cost

# L'analyse des ESR : critère 3 (Implémentation)

## Commentaires positifs

- Adequate work plan and well described gantt chart
- Complementary partners with high expertise, good description of their roles
- The coordinator has a relevant commercial trajectory.
- Clear business development strategy and routes to commercialisation.
- Project leader has a background in technology transfer

## Commentaires négatifs

- Delivering market analysis is overestimated
- Not clear if the consortium previously brought a research prototype to the market
- Qualification of the team is strictly scientific,
- No appropriate information on ressources and their allocation
- Lack of contingency plan

# Plus d'Informations
# Le PCN FET

| Nom | Organisation |
| --- | --- |
| Catherine GILLES-PASCAUD | CEA |
| Chiara MOLINELLI | Université de Lille |
| Guillaume FUSAI | Ministère en charge de la Recherche |
| Maria SCHUBER | INSERM |
| Mariama COTTRANT | Université Versailles-Saint-Quentin-en-Yvelines |
| Mathieu GIRERD | ANR |
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