

COMPTE RENDU
REUNION DU BUREAU EXECUTIF

3 mai 2022, 14:00 – 16:00

Visio-conférence

Participants : Daniel Choquet, Patrick Moreau, Emmanuel Margeat, Didier Marguet, Florence Niedergang, Emmanuel Beaurepaire, Béatrice Satiat-Jeunemaitre, Marc Tramier, Jean-Christophe Olivo-Marin, Charles Kervrann, Aurélien Dauphin, Lydia Danglot, Artemis Kosta, Jean Salamero, Emmanuel Faure, Etienne Henry, Caroline Thiriet, Alexandre Philips, Edouard Bertrand

Excusés : Patrick Lemaire, Pierre-François Lenne, René Marc Mège, Perrine Paul-Gilloteaux, Audrey Salles, Christine Terry, Laurent Heliot, Fabrice Schmitt, Martin Belle, Cyril Favard, Cédric Matthews, Alain Schmitt, Fabrice Cordelières

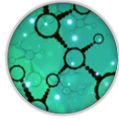
1) AO « Accès aux PF » FBI 2022

Caroline présente la proposition d'un projet d'Appel à projets « accès aux plateformes FBI » ponctuel récurrent (1-2x par an, avec un financement plus élevé par projet) dont le but serait d'augmenter l'utilisation des plateformes de l'infrastructure par des utilisateurs externes, à l'aune du succès des appels à projets ciblés « accès » lancés par EuBI, l'INSB ou dernièrement IBISA avec les 3 infrastructures FBI, Profi et FRISBI. Ces Appels à projets offrent un outil de communication sur les opportunités de subvention disponibles via l'infrastructure et viendraient renforcer l'utilisation des fonds FBI fléchés « accès » disponibles sur chaque nœud FBI.

Plusieurs points d'attention sont soulevés :

- la multiplication de ce type d'appel d'offre créé de la confusion. Plusieurs de ces appels d'offre sont amenés à se réitérer dans le futur, auxquels s'ajouteront d'ici peu les appels à projets issus des projets INFRASERV Horizon Europe.
- l'importance de mieux définir les contours et objectifs de ces appels d'offres et de mieux définir les projets ciblés. Un affichage plus clair par catégories d'appel d'offre devrait être proposé à l'avenir.
- la multiplication des dossiers à déposer pour les utilisateurs. La démarche doit être simplifiée.
- la réactivité est primordiale : l'évaluation des candidatures doit être rapide.

Il est décidé de faire en septembre 2022 un bilan de : 1/de l'utilisation des fonds FBI « accès utilisateurs » (financement au fil de l'eau existant via enregistrement préalable sur la plateforme EuBI) et 2/des futurs appels à projets fléchés « accès » aux infrastructures.



2) AO Accès IBiSA

L'AO IBiSA pour un accès à plusieurs IR parmi FRISBI, ProFI et FBI a fait l'objet de 25 candidatures (15 concernent FBI) et le but est de financer 9 projets. Chaque projet sera évalué par un expert du domaine.

3) Annual meeting FBI

Les dates initialement choisies en octobre correspondent aux dates des Rendez-Vous Carnot 2022 à Paris, auxquels plusieurs membres de l'infrastructure participent chaque année. Un autre créneau va donc être défini en fonction de la disponibilité des salles sur le site de Nantes. Les nouvelles dates seront communiquées prochainement.

4) Retour sur la rencontre des 11-12/04 avec John Eriksson (EuBI)

Cette réunion a été organisée à la demande de John Eriksson pour mieux se connaître à travers des discussions informelles. Le compte-rendu de la réunion est disponible en annexe. FBI souhaite notamment développer l'obtention de financements européens par une participation plus active avec EuBI et valoriser les outils de l'IR au niveau de EuBI (outreaching).

5) Retour sur la visite du Nœud Paris-Centre des 27-28 avril

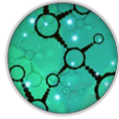
Sur les 2 journées, 3 PF (Neurimag, ImagoSeine, Imachem CDF) ont fait une présentation et organisé une visite. Par ailleurs, une présentation générale de FBI, des actions des chargés de mission, du Nœud de Paris-Centre, de 2 projets R&D et 2 autres projets illustrant bien l'utilisation des PF ont occupé une matinée et permis des échanges fructueux.

Une visite du Nœud Ile-de-France Sud est proposé à l'automne, Béatrice prospecte pour trouver une date.

6) Programme CNRS de valorisation des PF de recherche auprès des industriels

Le CNRS a publié un AO « Plateformes 2022 » dont l'objectif est de favoriser l'ouverture des plateformes de recherche aux partenaires industriels, dans un but d'accroissement effectif des partenariats industriels et des transferts de connaissances scientifiques vers le monde socio-économique. Il y a eu 15 candidatures, 12 auditions et 6 postes attribués dont 1 seul pour l'INSB (dossier FBI). A ce CDD de 3 ans s'additionne 100k€ (pour support communication, missions et temps CDD sur les PF pour les prestations industrielles) avec le but d'amener plus d'utilisateurs du secteur privé sur les PF. L'augmentation des prestations et des revenus des collaborations doivent permettre de pérenniser le poste au-delà des 3 ans (prévision d'un prélèvement de 10% sur le doublement des prestations industrielles). Le ministère est sensible aux relations public/privé des IR et le succès de FBI à cette AO nous est très favorable. Le CNRS demande un recrutement pour juillet et le profil du poste est un IE technico-commercial avec expérience dans le privé. La personne va démarcher les entreprises pour augmenter le nombre de clients et participera aux offres de prix avant le contact avec les SPV qui contractualisent.

Au prochain BE, la discussion est prévue sur le processus de recrutement et d'identification des projets à aider. Pendant la période des 3 ans, tout nouveau contrat de collaboration ou contrat de prestation de service devront être signés et géré par le CNRS, ce qui n'empêche pas l'ingénieur d'aider toutes les PF de FBI à trouver de nouveaux clients privés pour augmenter les revenus via les tarifications pour le



privé. D'où l'importance pour toutes les PF de FBI de disposer de tarifications pour le privé certifiées par l'agent comptable d'un établissement ou d'une université.

7) Projet FBI.DATA

Préparation du recrutement en CDD de l'Ingénieur encadré par Thomas Walter et Christophe Zimmer sur la fiche de poste utilisée pour la FSEP infructueuse de 2021. La date limite de dépôt des candidatures est fixée au 15 juin. Thomas et/ou Christophe feront un point au BE de juin.

8) Préparation du rapport d'activité 2021

Caroline a transmis aux Noeuds une demande des succès stories pour alimenter la rubrique Impact Socio-Économique" du rapport d'activité 2021 de FBI mais on a aussi besoin de 2-3 Highlights/Noeud (4-5 pour Noeud Paris-Centre) sous forme très courte (en anglais, environ 20 mots/highlight, exemple : publication, transfert technologique, équipement innovant, nouveau service aux utilisateurs, etc.)

9) Soutien à des évènements

- French Optogenetic Club (Toulouse, 23-24/06/2022) ; 50-70 participants ; 1500 € demandés. Subvention de 1000 € attribuée.
- Open-Source Microscopy Symposium : Developing microscopy tools for Life Science research and education" (Institut Pasteur, 8/07/2022) ; 100 participants ; 2000 € demandés. Subvention de 1000 € attribuée.

**Rappel : prochaine réunion du BE le jeudi 09/06/2022 à 15h30 sur Zoom. ATTENTION :
CHANGEMENT DE DATE ET D'HORAIRE**

FBI-Euro-Bioimaging meeting April 11-12

Summary of two-day meeting with France Bioimaging

Participants:

Edouard Bertrand, director and member of Montpellier Node
Daniel Choquet, Adjunct director and Bordeaux Node Head
Caroline Thiriet, manager of external affairs
Emmanuel Beaurepaire, Idf-Sud Node Head
Charles Kervrann, IPDM Node co-Head
Didier Marguet, Marseille Node co-Head
Perrine Paul-Gilloteaux, Bretagne Loire Node co-Head and mission data co-officer
René Marc Mège, Paris-Centre Node Head, <https://www.ijm.fr/research-topics/research-groups/ladoux-mege-lab-va/?lang=en>
Emmanuel Faure, representative of Montpellier Node (<https://france-bioimaging.org/node/montpellier/>) and mission data co-officer
Fabrice Cordelières, Bordeaux Node, mission officer in charge of training
Jean Salamero, IPDM-Node, mission officer in charge of Francilian Nodes restructuration & mission
Officer in charge of relationship between French RIBH (Research Infrastructures in Biology and Health).
Jean-Yves Tinevez, IPDM Node, in charge of developing FBI's remote image analysis service

I. Euro-Bioimaging strategic situation

Relationship to other RIs on the European landscape

- ECRIN and EATRIS strong in France with very good connection to France Medical Imaging (FLI)
- Makes activation of Medical imaging in France difficult
- Critical names to be conveyed to Linda to facilitate discussion with key members of the Medical imaging community (France Life Imaging: Vincent Lebon (Director) Vincent.LEBON@cea.fr, TREBOSSEN Regine <regine.trebossen@cea.fr> (Executive Director) ; F-CRIN Vincent.diebolt <vincent.diebolt@inserm.fr> (Director) , Olivier Rascol (olivier.rascol@univ-tlse3.fr) ; NeurATRIS Emilie Hangen emilie.hangen@cea.fr (Project Manager). Note that only FLI is purely medical imaging.

Euro-Bioimaging strengths, weaknesses, possibilities

- The added value of Euro-Bioimaging not always clear to Nodes or users (ie: external and internal public).
 - For users, access calls generously funded will definitely help. It is important that the success rates at these calls is high and that the calls come several times a year otherwise it may demotivate users.
 - For Nodes, in France there are strong expectations that EuBI will help fund R&D via HE calls. There are also expectations that EuBI helps organizing these calls (so a mixed top-down / bottom-up model and not exclusively a bottom-up model (or first come first served)). This requires high transparency and early communication from projects involving EuBI. A request of transparency and early communication could be a condition for EuBI to participate and could be given in

advance to potential project leaders (define a modus operandi ? define conditions under which EuBI would accept or refuse to support a project ?). EuBI may also want to pre-identify few strengths/axes for each of its different Nodes.

-There is also expectations that EuBI is proactive to help organizing some infrastructure activities, like training and development of a remote bio-image analysis service. A workshop on training in early 2023 would be very important (for us, and likely other nodes). If appropriate with the call guideline, an EuBI infradev project ('extension') for a remote bioimage analysis service would be great. We could lead or help leading that.

-EuBI could delegate some infrastructure activities (eg Node X is in charge of this, Node Y of that, etc...); this way EuBI could mobilize more HR and workpower.

- The messaging of EuBI usage may want also distinguish: 1-local users using their local facility, (this still remains very important); 2-external users using usual or medium-advanced technologies technologies (external but often 'regional' users); 3-external user using very advanced technologies or very expensive equipments. Indicator of the % external users may be calculated only for (3) (higher number, justify the added value). Indicators: count papers with external teams even if not direct users. Indicators: label PID (persistent identifiers) of infrastructures in publications ?
- Position of EuBI vs other ERICs; thematic vs technological infrastructure; make an alliance with other technological ERIC (instruct) ?
- FBI is a strong organization
- Should be clarified how an added "umbrella layer" of Euro-Bioimaging can facilitate things.
- Users somewhat difficult to motivate to register Euro-Bioimaging projects. This is especially true for external users that already have ties with the FBI facility they want to use (typical example a person from Nice using the facility in Marseille via personal contact). FBI provides a financial incentive of 750 euro/week for external users going through the EuBI portal but this is not enough. Getting people through the portal requires extensive and repeated communication towards facilities, R&D teams and users. The message gets there but it is slow. Also, any simplification of the EuBI registration/application process would be welcome. Going from a 1h application form filing, to a 10' one would be a big plus.
- HE projects will certainly change the attitude, especially true for R&D projects for FBI. Also perhaps stronger interactions between EuBI direction with EuBI/FBI Node heads (as we did), strategic planning, creation of synergy between countries.
- Providing added value by:
 - Euro-Bioimaging in key position to facilitate future HE calls; it would be important to prevent competition and create synergies; EuBI could also be proactive in generating R&D project on topics of interest;
 - Possibilities to interact with the European Node landscape to facilitate training
 - Communication channel between the EC and national organizations and Nodes
 - Strength for legal processes (and administrative bottlenecks)
 - Procurement processes
 - Collaboration and strength provided for outreach and popularization
 - Communication to the general public and institutions (EU, CNRS, ...) to promote biological imaging; create synergy with existing forces in comm to increase communication breadth

How to activate TNA after the pandemic

- FBI will fund French projects that were rejected in the COVID call
- Funded user projects are in key position
- canSERV, ISIDORE, Agroecol, and other funded projects will stimulate TNA
- Nodes need to be actively informed by the opportunities provided by these projects

- Inform FBI (Caroline) as early as possible of upcoming access calls from the EU funded infraserv projects. Even if not final, we will start informing FBI's facilities and R&D teams.
- Make user access calls simple administratively (who pays who and how), for the user to apply, and make sure these calls have a high success rate (people will apply more and more), and a reasonably good funding (5 ke/project for single user ?; 50 ke for large projects ?). Fund both trans national and also national external to the node.

II. Future prospects and joint actions and endeavors

Raising the general know-how among scientists and among other stakeholders

- Poor knowledge of imaging in general is a problem
- Best mechanism to advance general know-how among scientist is by support personnel
- Train the trainers
- Go for new scientific communities that would benefit from special technologies
- Targeting university environments
- Targeting undergraduate communities
- Specialization among nodes not well defined
- Communicating the importance of imaging to the general public and 'deciders' is a key strategic issue
- FBI to employ new communications officer during the summer
- Marianna and newly employed E-B officer to collaborate with the French PR person
- Mobilization of other potential PR resources at national communities and/or Nodes that could be used for outreach
- Collaboration with the PR officers at other ERICs
- Challenges:
 - Outset: compared to, e.g. particle physics or astronomy, life science outreach is poor
 - This is poor both with scientists and with the general public
 - Information channels should be identified to inform the imaging community and other scientific communities, as well as the general public of the initiatives run by our organizations and the possibilities we provide to the community.
 - Outreach to the scientific community. Success stories in imaging should get good media coverage (similar to the extent of media coverage in physics, e.g. LHC news; link below).
 - Joint media coverage will amplify our message, inform the general public, and help to advance the field of bioimaging.
 - Collect papers automatically with a grant number ?
 - Finance outreach movies with a call ? do a few movie per year (1000 euro/movie) ? for different targets audiences, general public, stakeholders
 - Link with CZI and HHMI for joint comms ?
 - Art can be also used to advance the popular outreach
 - Benchmarks and examples can be identified at suitable organizations
 - Presentation on the tools, instruments and strongholds that FBI has that can be employed for popularization and outreach within Euro-Bioimaging
 - Promote virtual pub and user forums within FBI

Remote projects

- Exploring possibilities to foster remote access
- Remote access HE project
- Future remote access HE project possibilities
- The easiest may be to start with image analysis, to develop a remote image analysis service and an infradev call might perhaps work here ?

Administration, financial, and legal aspects of imaging RIs

- Procurement problems
- Auditing of costs
- Legal aspects
- Contractual issues / administrative aspects (for instance calculate and justify TNA costs); the problem is that this can be institution specific
- Affiliated entity issues
- Implementing the purchase model (sounds great !)
- Arranging a workshop on infrastructure rules, regulations, and laws, user cost models

Web portal development

- Potential workshop with Nodes

Training workshop

- Beginning of January 2023
- Could be under the auspices of FBI (ok !)
- Together with FBI responsible persons and other interested stakeholders and training experts from the Nodes

Industry partnerships

- Training as an attraction
- Adding application-related companies
- Adding data-related companies
- Partnerships between the company and service providers
- Help finding partner companies in imaging for a variety of EU calls (ITN, infratech, ...)

Community meetings for funding possibilities

- Access funding
- HE projects (separate access and R&D ?); could EuBI survey HE call to advertise to its Node the ones with some potential for the imaging community (cancer mission calls, etc.)
- Communication

Latin America and Africa

- Collaboration regarding imaging in countries with low investments in R&D
- Focus on Africa, Latin-America
- To be considered Pasteur has active engagement both in Africa and Latin America
- Other opportunities to be explored
- Jean is FBI contact for Africa

Wishes for future engagement

- Create an equivalent of IPDM and EuBI level, could apply at the next Node call ?
- Community meetings on a regular basis
- France Bioimaging Annual Meeting in Nantes October 13-14
 - Possibility to have a Euro-Bioimaging session there : yes ! we would be thrilled !
 - To be explored: whether we could have a short satellite meeting before or after the FBI meeting: yes again ! this way we can have a follow-up of the Paris meeting.
 - Topics yo follow-up for next meeting:
 - \$ grants
 - \$ access and TNA and access grants
 - \$ communications and outreach

\$ developing countries
\$ KPI & indicators ?

FBI-Euro-Bioimaging meeting - Agenda April 11-12

April 11, 17:00

John, Edouard, Daniel, Jean, Alexandre, Caroline

- Short FBI presentation by Edouard and open discussion
 - Euro-Bioimaging strategic situation, relationship to other RIs, the European landscape and
 - FBI strengths, weaknesses, possibilities
 - Medical imaging not in Euro-Bioimaging – Why is this and could the situation be changed?
 - How to activate TNA after the pandemic
 - How to record relevant statistics - Regional, national, transnational access?
 - Statistics of personnel, support personnel vs. research personnel
 - General know-how among scientists
 - Use of special technologies
 - Medical imaging situation
 - Procurement problems
 - Auditing of costs
 - Advancing imaging in countries with low investments in R&D: Africa, Latin-America
 - Threats and strategic weaknesses
- Dinner

April 12, 9:00: FBI/Euro-Bioimaging strategy meeting

(John, FBI direction, Jean, one representative of each 7 FBI Node)

9:00 Euro-Bioimaging - Current state, ongoing projects, future openings (John)

- Discussion

10:00: Euro-Bioimaging and Horizon Europe

- Future calls (JE)
- Possible topics for EU grant applications and open discussion (EB)
- Possible priorities for FBI/EuBI partnerships (EB)
- Imaging technology development (both software and hardware).

11:00 Outreach and popularization

- Outset: compared to, e.g. particle physics our outreach is poor
- This is poor both with scientists and with the general public
- Information channels should be identified to inform the imaging community and other scientific communities, as well as the general public of the initiatives run by our organizations and possibilities we provide to the community.
- Outreach to the scientific community. Success stories in imaging should get good media coverage (similar to the extent of media coverage in physics, e.g. LHC news; link below).
- Joint media coverage will amplify our message, inform the general public, and help to advance the field of bioimaging.
- Art can be also used to advance the popular outreach (check link below)
- Benchmarks and examples can be identified at suitable organizations
- Presentation on the tools, instruments and strongholds that FBI has that can be employed for popularization and outreach within Euro-Bioimaging (EB presentation;10-15') & discussion

Benchmarks:

- <https://www.cell-worlds.com/en>

- <https://home.cern/news>

12:00 FBI/Euro-Bioimaging - Operational meeting

Data management – presentation (FBI; 15') & discussion

12:30 Lunch

April 12, 14:00: FBI/Euro-Bioimaging - Operational meeting

(John, FBI direction, one representative of each 7 FBI Node, FBI mission officers (5))

14:00 Remote image analysis service: presentation (FBI; 15') & discussion

14:30 Industrial partnerships - actions and strategy (JE; 15') & discussion

15:00 Training: presentation (JE; 15') & discussion

15:30 General discussion

Topics for discussion:

Euro-Bioimaging strategic situation, relationship to other RIs, the European landscape and

Euro-Bioimaging strengths, weaknesses, possibilities

How to activate TNA after the pandemic

How to record relevant statistics - Regional, national, transnational access?

Statistics of personnel, support personnel vs. research personnel

General know-how among scientists

- Poor knowledge in general
- Best mechanism to advance general know-how among scientist is by support personnel
- Train the trainers
- Go for new scientific communities that would benefit from special technologies
- Targeting university environments
- Targeting undergraduate communities
- Specialization among nodes not well defined

Use of special technologies

Remote projects

Procurement problems

Auditing of costs

Legal aspects

Web portal

Training workshop

- Beginning of January

Industry partnerships

- Training as an attraction
- Adding application companies
- Adding data-related companies
- Partner between the company and service providers

Legal advice and solutions

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Wishes for community meetings with Euro-Bioimaging

Advancing imaging in countries with low investments in R&D: Africa, Latin-America

Threats and strategic weaknesses

Outreach

Wishes for future meetings

- Access funding
- HE projects

- Communication

Medical imaging situation

Finish by 16:00.