

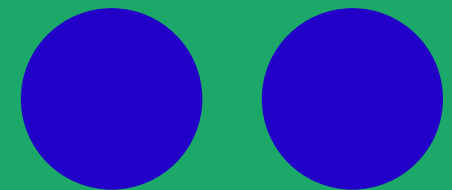


Research

# Caplab

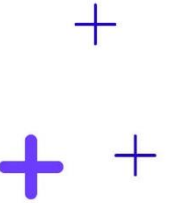
A shared national tool  
common to laboratories and  
their affiliated institutions

- What is Amue?
- The Caplab software
- History and stakeholders
- Main features
- Link with the ANR: AAPG 2020 and 2021
- Ongoing experimentation
- Roadmap and perspectives





# Who are we?



Carine  
Bougnague

- Institutional relations officer

Pascal Pérotin

- Caplab Head
- Coordinator of IS research field projects

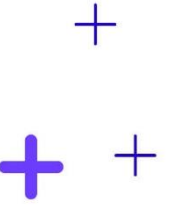
Bertrand  
Mocquet

- Digital expert & researcher at MICA  
(University Bordeaux Montaigne)

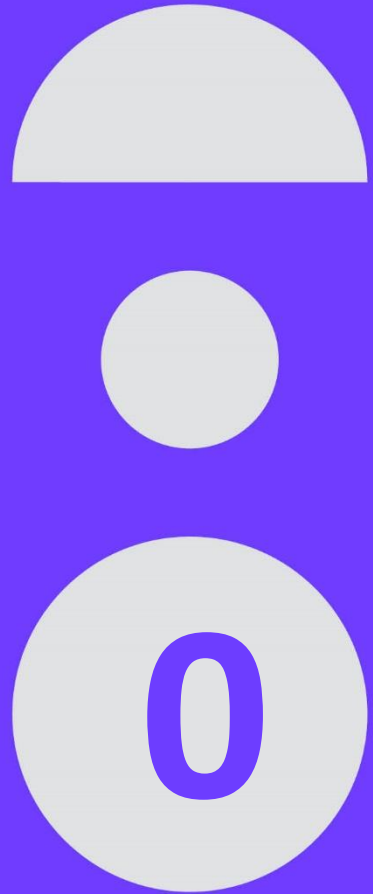
Chaired by euroCRIS Board member Joachim Schopfel at the University of Lille, France



# Presentation outline



- What is Amue?
- Caplab application
- History and stakeholders
- Main features
- Link with the ANR: 'AAPG' 2020 and 2021
- Ongoing experimentations
- Roadmap and perspectives



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# What is Amue ?

**French shared-services agency for universities and other higher education and research Institutions**

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# What is Amue ?

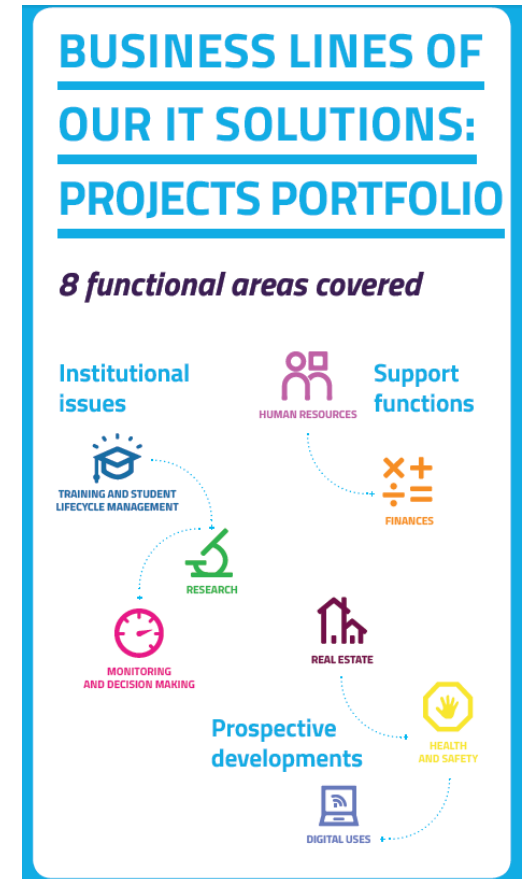
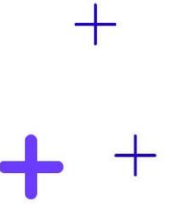
1



What is Amue ?



- A public non-profit consortium funded in 1992
- A shared-services agency for universities and other higher education and research Institutions.
- We provide HigherEd institutions with IT solutions, training, expertise & central purchasing in their various fields of activity.
- We build a collective approach with the experts of our 174 members, from the definition of the needs to the choice and the development of IT solutions, as well as the construction of the training offer or procurement.
- We're located both in Paris & Montpellier



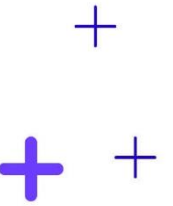
# What is Amue ?

1

- Our missions

IT construction	Skills development	Expertise
<ul style="list-style-type: none"><li>• Development and optimization of co-constructed IT solutions(financial, HR, course offer &amp; enrolments, health &amp; safety, MDM, organization of Research...)</li></ul>	<ul style="list-style-type: none"><li>• Professionalization and skills development of higher education staff through training</li></ul>	<ul style="list-style-type: none"><li>• Accompanying performance improvement by providing expertise and regulatory watch.</li></ul>

What is Amue ?





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# Caplab in pilot phase

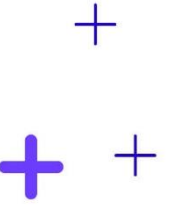
Release 1.3, April 2021

Caplab, a shared national tool for laboratories and their affiliated institutions

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# Caplab purpose(s)

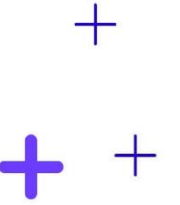


- CAPLAB centralises and gather information, offers a shared vision between the laboratories and their legal entities
- CAPLAB collects and aggregates information on projects and activities in order to return them in a multiple, reliable manner without re-entering them
- It facilitates the constitution of applications for calls for projects with consolidated and capitalised information in research
- It gives feedback at different levels for project leaders, unit directors, team leaders or at the level of the affiliated institutions
- CAPLAB meets the steering needs of the research unit, and is one of the basic building blocks of the Labo decision-making IS





# Presentation outline - reminder

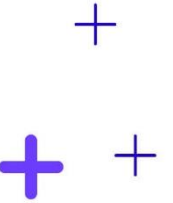


- History and actors of the pilot phase
- Main features
  - Link with the french National Research Agency (ANR) : Generic Call for Proposals ('AAPG') 2020 and 2021
  - Experimentations in progress : University of Lorraine -UL's internal call for proposals and shortly UCA's one (U. Clermont-Auvergne)
- Roadmap and short & medium term perspectives

# History of the pilot phase, main steps

- 2011-2016, Early stages of the Caplab project - Surveys and collection of needs
  - December 2011: setting up of the partnership (CPU/Amue + Cnrs)
  - January 2015: Geslab and Dialog agreements (CPU/Amue + Cnrs)
- 2017, Project's kick-off
  - March: signed agreement to build the Caplab solution (Amue + UCA)
  - July: signed agreement to implement the Caplab project (Amue + Cnrs)
  - Choice of pilot entities (spring) + development team recruitment at the UCA and implementation of the technical base (end of year)
- 2018, Start of the construction in agile mode
  - 1st Caplab construction sprints (March) + 1st steering Committee (July)
  - Implementation of the pre-production platform by ATOS (November)
- 2019 - 2021, Pilot phase
  - October 2018 to April 2020: audit and reorientation of the Lab IT program by the Ministry / DGRI + Termination of the REFP (shared national repository) and technical platform projects (November 2019)
  - January 2019: 1st pilot pre-prod version (V1.0)
  - September 2019: 1st link with the ANR IS ('AAPG' 2020 : results in Caplab for 11 units)
  - October 2020: extension of the scope of labs accessing ANR data ('AAPG' 2021 : results for 340 units)
  - March - June 2021 : first internal Call for proposals managed from end to end in Caplab by the UL

# Caplab stakeholders in the pilot phase



- A project team based on a partnership between CNRS, University of Clermont Auvergne - UCA and Amue
- Pilot entities
  - 5 Universities, 2 research Institutes : Cnrs and Inserm
- Pilot research units related to above legal entities
  - 12 research laboratories
  - Hosting teams / Joint research unit with collaborative research organization (UMR)
- A co-builder partner
  - University of Clermont Auvergne (UCA)
- An institutional partner
  - The French National Research Agency (ANR)
- Partner project / third-party in experimentation
  - Project ConditorEx (INIST – CNRS)





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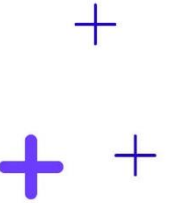
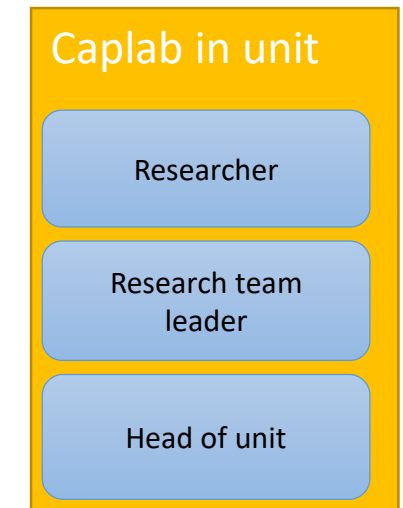
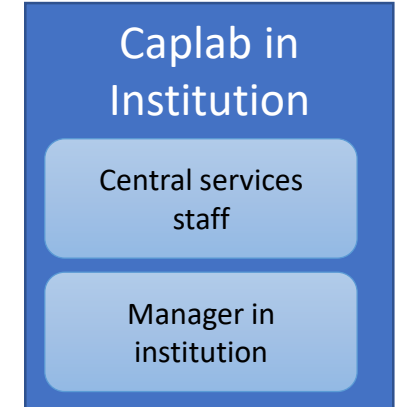
# Caplab features

## Focus on

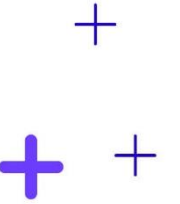
- The link with the ANR and its call for proposals ('AAPG')
  - First internal call for proposals managed in Caplab by the University of Lorraine
-

# Caplab - Main features

- Offers a shared vision of the research units' activities
  - Describe the internal organization of a research unit
  - Centralize information, disseminate data and allow consultation (including to partners if necessary)
- Identify, describe and follow projects and activities carried out within the units
  - List research projects
  - Facilitate the preparation of applications and responses to calls for proposals
  - Collect updated data on scientific production and other achievements resulting from projects and activities
- Provides top management's monitoring needs
  - Shows all projects' reference data
  - Links projects to all involved research indicators to enable wide-crossed analysis
  - Helps to follow submissions to calls for proposals (ANR Calls, internal calls, etc.) within teams, research units and their legal entities
- Enable legal entities and their teams to manage internal calls for proposals
  - From setting up any specific forms of application and forms of evaluation
  - To providing all needs of candidates in submitting and consulting results on line
  - And managing all applications, evaluations and dissemination of results for the call' management teams



# Data exchange between Caplab and the ANR IT system



- Follow-up of the pre-proposals to the ANR Generic Call for Projects (AAPG) submitted by the research laboratories
- Results of steps 1 and 2 are provided to researchers, research units and top management teams in legal institutions
- Progressive increased service with a Proof Of Concept (POC) from AAPG 2021 to AAPG 2021
  - From 11 pilot units having access to the AAPG ANR submission information in Caplab in 2020  
→ to more than 340 units having access in 2021
- AAPG 2021: 1,996 pre-proposals, submitted by these units at the end of 2020, can be consulted in Caplab
 

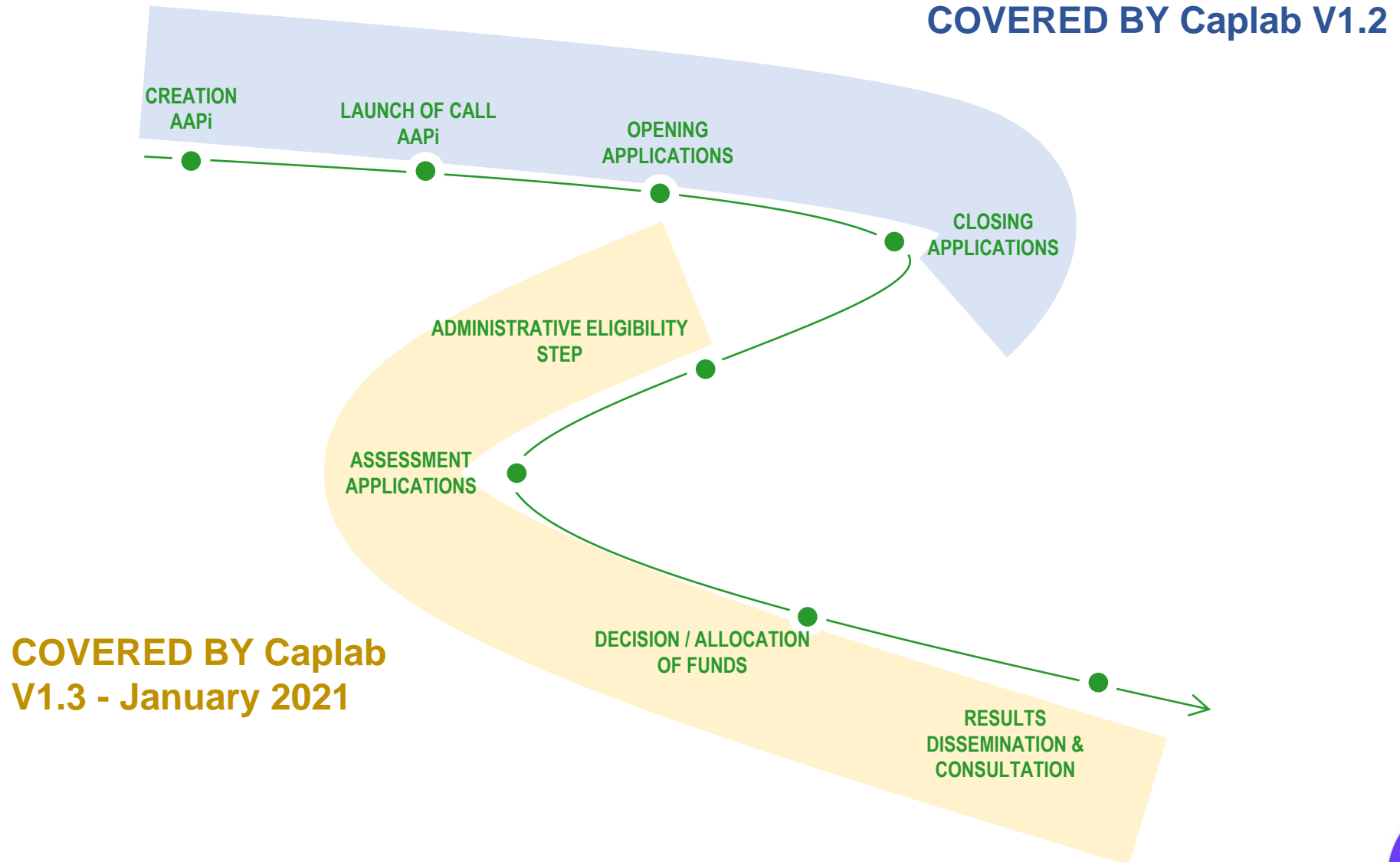
▪ For the University of Aix-Marseille:	771 projects
▪ For the University of Bordeaux:	571 projects
▪ For the University of Clermont Auvergne:	192 projects
▪ For the University of Lorraine:	446 projects
▪ For the University of Paris 13:	150 projects
▪ For the CNRS (UMR of the pilot perimeter):	1 816 projects
▪ For Inserm (UM of the pilot perimeter):	671 projects

# Caplab-AAPI: an internal calls for projects

2



Functional scope Caplab AAPI



# Internal Call experimentation with Caplab led by the University of Lorraine

→ Set up of an internal Call for Proposals in production environment V1.3

- **Call for interdisciplinary proposals - Amount 200 K€**

- The call for interdisciplinary projects 2021 is a "white" call for projects which involves at least two scientific centres and imposes partnership of at least two scientific disciplines from among the Humanities & Social Sciences (SHS), Law, Economics & Management (DEG), Science and Technology (ST) and Life & Environmental Sciences (SVE) as a matter of priority ;
- The projects should also associate teachers-researchers or researchers who have never worked together in order to stimulate new and emerging dynamics ;
- A fund of 200k€ will allow to fund about 10-12 projects of a maximum amount of 20 k€ each. The funding will be spent for 1/3 (60k€) during the calendar year 2021 and for 2/3 (140k€) during the calendar year 2022

- **Calendar**

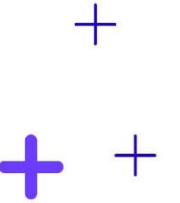
- Submission of applications - Opening date: 07/04 + Close of nominations date: 10/05
- Evaluation of applications - Start date: 11/05 + End date: 30/06

- **170 new Caplab users**

- 25 project leaders + 119 individual partners
- 26 evaluators

- **Support system**

- weekly monitoring of the experimentation with the University of Lorraine
- 2 workshop dedicated to project leaders and evaluators' assistance







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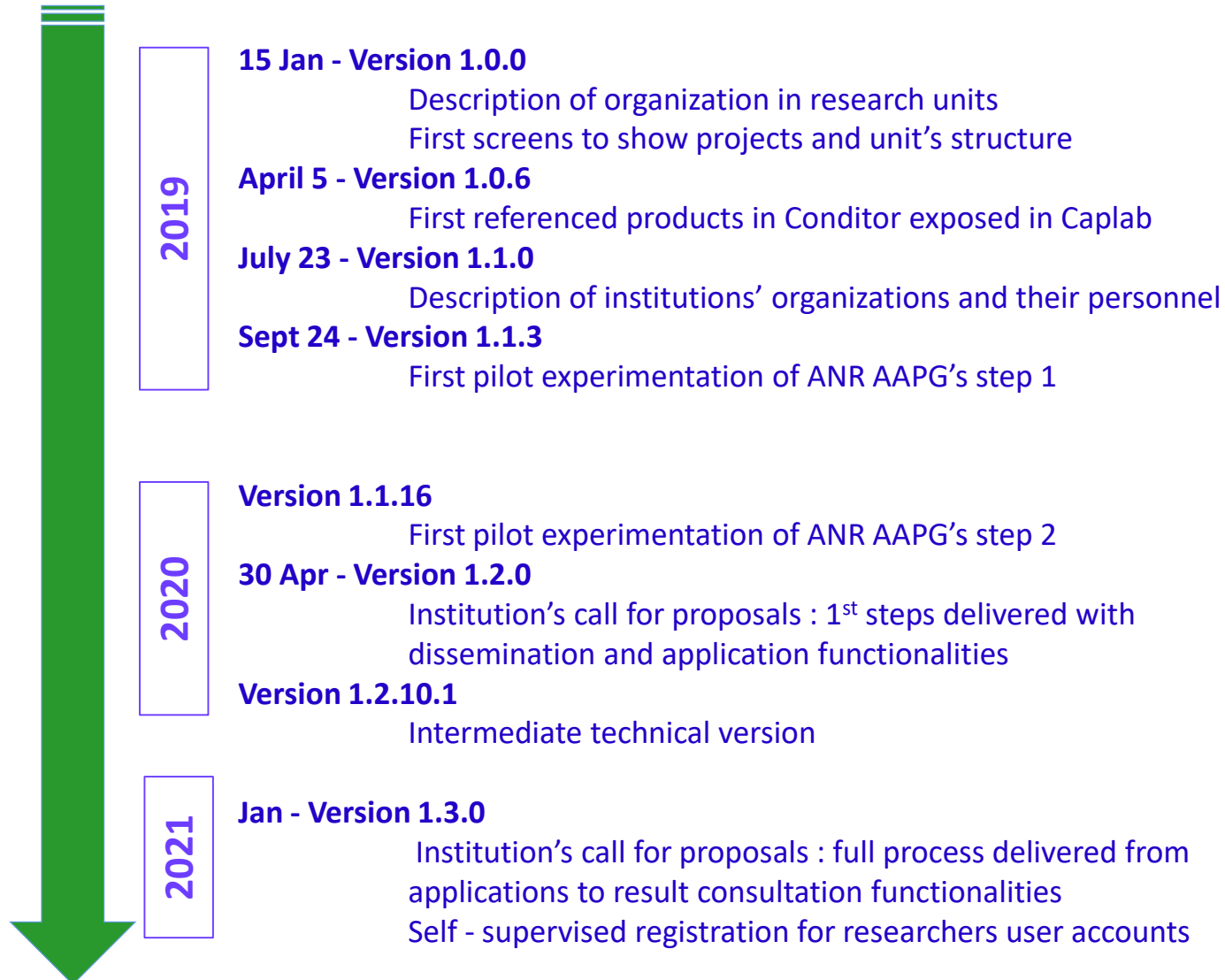
# Caplab : Roadmap & implementation perspectives

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# Delivered versions to pilots since January 2019

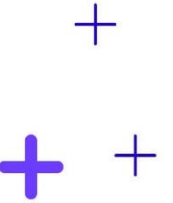
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Delivered versions



**8 ISS-approved pilot versions  
4 of which are major**

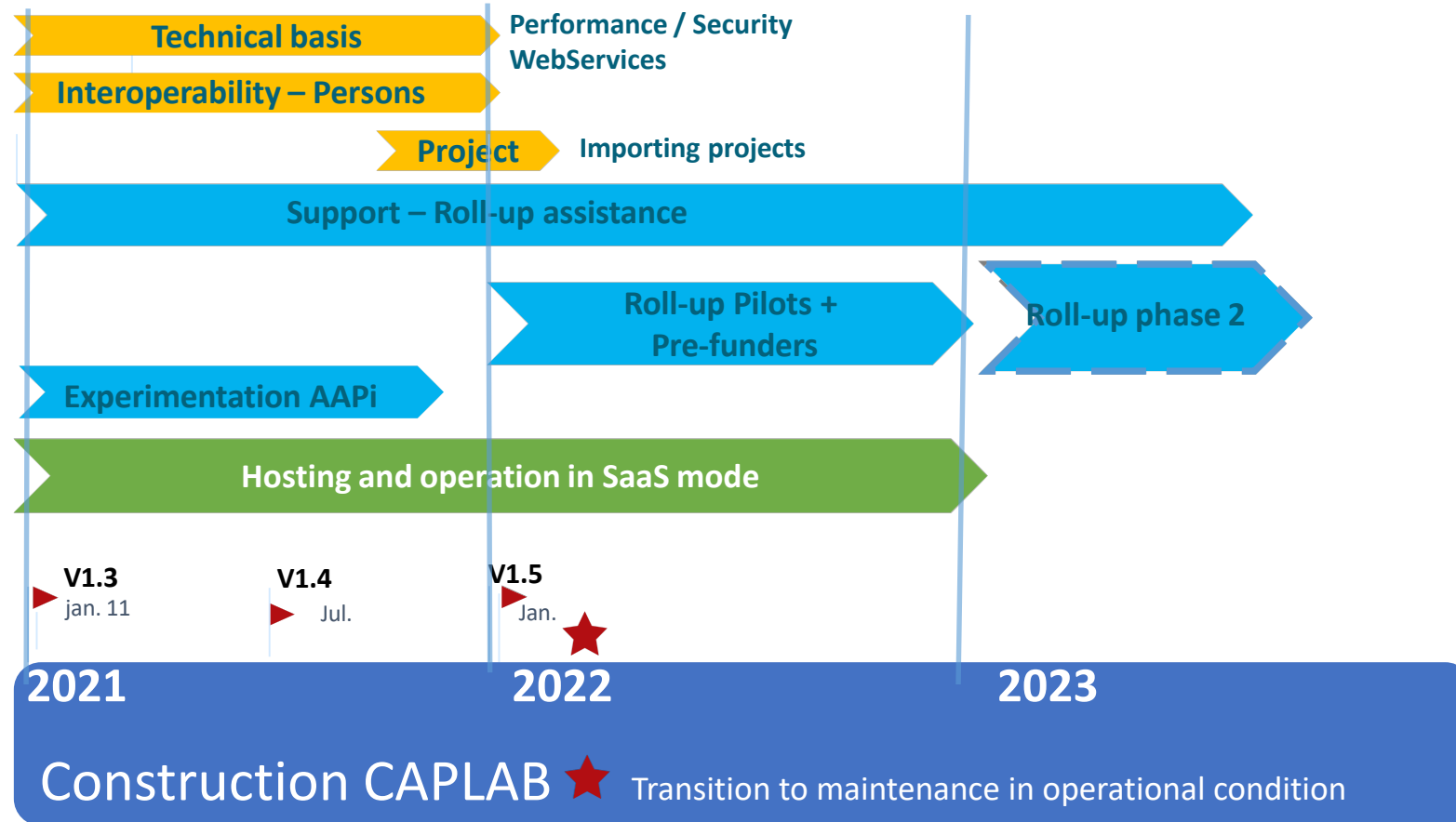
**January 2021 version allows for internal calls experimentation**





# Next steps in 2021

- New universities involved in testing internal calls for proposals;
- Developing and test the interoperability layer (Persons data integration Proof of Concept) ;
- Preparing the conditions for hosting and operating Caplab in service mode ;
- Building the roll-up tools and processes with support and assistance system



# In 2021, preparing implementation and roll-up

## Main challenges for 2021 with regard to roll-up goal

- To continue the incremental construction of interoperability through a set of POCs, in a secure and reliable environment
- To ensure the integration of users with personal and HR data in Caplab, in experimental mode
- To build a strategy for a sustainable and accurate roll-up in context of the French research ecosystem

## Implement the prerequisites for the roll-up at large scale

- Application working functionalities requirements
- Guaranty to provide secure and reliable access to Caplab (user accounts)
- Import users, HR data and Projects data
- Prepare the provision of value-added services and data exchange services

## Technical requirements

- Tested interoperability layers (API, WebServices, etc.)
- Working technical environment for operation

## Assistance to the institutions

- Assistance and support throughout the roll-up from institutions to research units
- Set up a stable and reactive assistance system

Thank you  
Merci



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