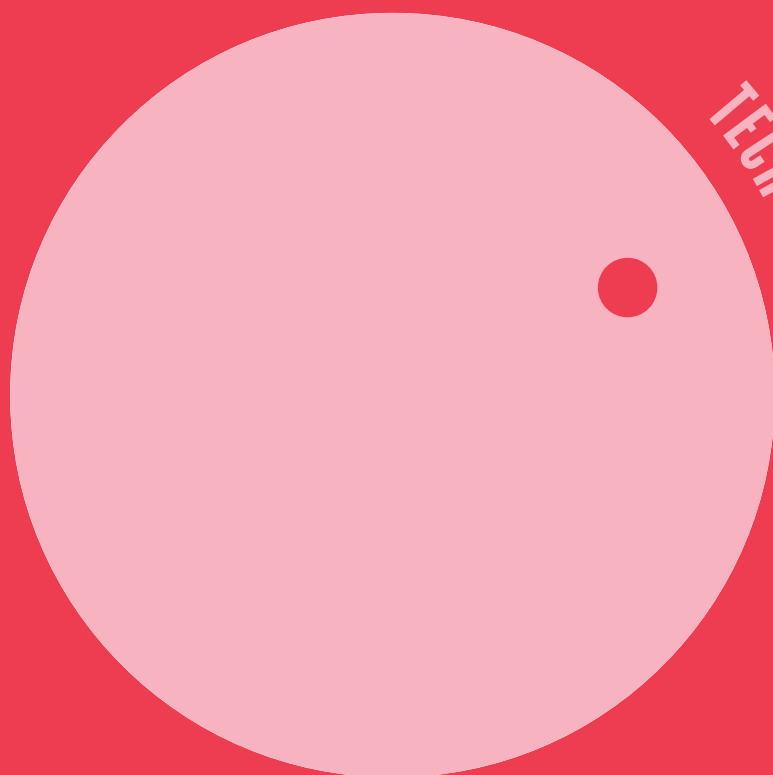


FRAME



TECH 2019

PROGRAMME

Ina — Bry-sur-Marne

1 7 → 2 1 / 0 6 / 1 9

Project Partners



Co-funded by the
Creative Europe Programme
of the European Union



Programme Partners



FRAME

TECH 2019

— INA —
Bry-sur-Marne



Participants

06

Programme of the week

09

Speakers

16

Practical information

27

Contacts and credits

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PARTICIPANTS

Katarzyna Balcerowska

Senior video editor,
National Film Archive
Audiovisual Institute - *Poland*

Annelies Cordes

Project Coordinator,
Sound and Vision - *Netherlands*

Aron Jóhannsson

Archives representative,
RÚV, Icelandic National
Broadcasting Service - *Iceland*

Sérgio Lopes

Coordinator,
Radio and Television
of Portugal - *Portugal*

Vionicel Peña

Director of Metadata,
Tropix Media & Entertainment - *Cuba*

Alessia Petitto

Archive Researcher & Archive Producer,
Eyes On Archives - *Italia*

Brian Rice

Senior Archivist,
RTÉ - *Ireland*

Maja Tillmann

President,
Cuyay Wasi - *Peru*

Lobke Vanden Eynden

Project Manager,
VIAA - *Belgium*

Greet Vanderhaegen

Project Manager Digital Intake,
VIAA - *Belgium*

Jose Velazquez

Architect at IBM / Universidad
Pablo de Olavide – *United Kingdom*

Eva Verdoodt

Business analyst, project
manager digital collections,
VIAA - *Belgium*





PRO GRAMME OF THE WEEK

1 7 → 2 1 / 0 6 / 1 9

DAY

1



9.45 am

OPENING OF THE TRAINING

— Clément Malherbe, Axel Roche-Dioré / INA —

Presentation of the training

Participants introduction

10.15 am

PRESENTATION OF INA

— Delphine Wibaux / INA —

What is INA about?

COFFEE BREAK

11.00 am

FEEDBACK ON 20 YEARS OF AV ARCHIVE DIGITISATION

— Brice Amouroux / INA —

What was learned during the mass digitisation programme

What was learned during the first years of file-based archives management

12.45 pm LUNCH BREAK

2.15 pm

PHYSICAL ASSETS MANAGEMENT: TAKING CARE OF ORIGINAL CARRIERS

— David Pfluger / Memoriav —

Deterioration phenomena and threats beyond the physical decay

Storage conditions: Challenges and improvements

Understanding the importance of physical assets

Significance of the extraction of metadata from media carriers

COFFEE BREAK

Image characteristics as part of the identification process

When is the destruction of media carriers after digitisation justified?

5.00 pm BREAK

8.00 pm

NETWORKING DINNER

10

Programme

DAY

2



9.15 am

PARTICIPANTS TRACK

*Participants present their projects (ongoing or past, successes or failures)
and what they learned from it*

10.15 am

AUDIOVISUAL ARCHIVES DIGITISATION METHODOLOGY

— Brecht Declercq / VIAA —

*Strategic definition of a preservation and digitisation plan
Analysis of the situation of one's archive regarding the expected results (future uses of archive material)
Analysis of the existing situation (condition of the collection)*

COFFEE BREAK

*Setting priorities: planning urgent action, organizing selection
Digitisation technical infrastructure
File formats for digitised archives*

12.45 pm LUNCH BREAK

2.00 pm

PRESENTATION OF INA'S TECHNICAL FACILITIES

DIGITISING AUDIO

Vincent Fromont,
Thomas Monteil / INA

Pros and cons of
digitising in-house

Digitisation, restoration,
valorisation of radio archives

3
visits of 1
hour each
in small
groups

DIGITISING VIDEO

Etienne Marchand / INA

Categorisation

*Preparation and
automated digitisation*

Manual digitisation
Quality control
Ingest

DIGITISING FILM

Benjamin Lerena,
Jean-Philippe Bessas / INA

Overview of
the technical workflow

Film repairing
Digitisation

Colour grading /
Digital restoration

5.30 pm BREAK

DAY

3



9.15 am

PARTICIPANTS TRACK

*Participants present their projects (ongoing or past, successes or failures)
and what they learned from it*

10.15 am

DIGITAL-BORN AUDIOVISUAL ARCHIVES: FILE FORMATS AND PRESERVATION

— Marjolein Steeman, Tristan Zondag
/ Netherlands Institute for Sound and Vision —

Audiovisual file formats characteristics

COFFEE BREAK

*What defines the “quality” of an audiovisual file?
Select formats suitable for long term preservation*

12.45 pm LUNCH BREAK

2.15 pm

MEDIA ASSET MANAGEMENT SYSTEM: ARCHIVING AND DISTRIBUTING AV ARCHIVES

— Florian Delabie / Independent consultant —

*Archiving as a system
Theoretical and practical approach of workflows*

COFFEE BREAK

*Functions of a MAM, integration examples
Main actors of the market*

5.00 pm BREAK

7.30 pm

CULTURAL ACTIVITY

12

Programme

DAY

4



9.15 am

PRESENTATION OF UNESCO

— Adam Cowling, Giovanna Hendel,
Eng Sengsavang / UNESCO —

CIO foreword

Visit of UNESCO's digitisation lab

Feedback on the audiovisual archives digitisation project

COFFEE BREAK

Crowdsourcing for audiovisual archives documentation

Promotion of audiovisual heritage preservation

Presentation of UNESDOC 2: a unique platform for archives of different natures

12.15 pm LUNCH BREAK

1.45 pm

PARTICIPANTS TRACK

Participants present their projects (ongoing or past, successes or failures)

and what they learned from it

2.30 pm

DIGITAL STORAGE AND TECHNICAL IMPLEMENTATION OF DIGITAL PRESERVATION

— Conrad Gouws / RTÉ —

Challenges of digital storage management

COFFEE BREAK

How Archive and IT speak to each other?

5.00 pm BREAK



DAY

5



9.15 am

PARTICIPANTS TRACK

*Participants present their projects (ongoing or past, successes or failures)
and what they learned from it*

10.15 am

MASS QUALITY CONTROL BASED ON ARTIFICIAL INTELLIGENCE

— Denise Barcella / RTS —

How did the RTS performed quality control over 120 000 digitised videotapes in a year?

COFFEE BREAK

11.15 am

SHARED TERMINOLOGY FOR SOUND DESCRIPTION IN AUDIO DIGITISATION PROCESS

— Emiliano Flores / Gecko —

*Documentation of audio flaws and peculiarities of a sound
Challenges of homogenisation of the terminology used*

12.15 pm

PRESENTATION OF INTERNATIONAL AV ARCHIVES NETWORKS AND RESOURCES

— Delphine Wibaux / INA —

The professional networks you can get support from

12.45 pm COCKTAIL LUNCH

2.00 pm

SAPHIR: OPTICAL PLAYBACK OF ANALOGUE AUDIO DISC RECORDS

— Jean-Hugues Chenot / INA —

How can Scratched, broken or split discs be digitised?

2.45 pm

ARCHIVING THE FRENCH WEB MEDIA

— Thomas Drugeon / INA —

Challenges for archiving ever changing content

3.30 pm

CLOSING OF THE TRAINING SESSION

Course evaluation

4.00 pm END OF THE TRAINING



SPEAKERS

BRICE AM ○ UR ○ UX

DENISE BARCELLA

JEAN-PHILIPPE BESSAS

JEAN-HUGUES CHEN ○ T

ADAM C ○ WLING

BRECHT DECLERCQ

FL ○ RIAN DELABIE

TH ○ MAS DRUGE ○ N

EMILIAN ○ FL ○ RES

VINCENT FR ○ M ○ NT

C ○ NRAD G ○ UWS

GI ○ VANNA HENDEL

BENJAMIN LERENA

ETIENNE MARCHAND

TH ○ MAS M ○ NTEIL

DAVID PFULGER

ENG SENGSAVANG

MARJ ○ LEIN STEEMAN

DELPHINE WIBAUX

TRISTAN Z ○ NDAG



SPEAKERS

BRICE AMOUROUX



Brice Amouroux

Agronomic engineer, Brice joined INAw after running the audiovisual archive of the French agriculture Department. He's in charge of optimizing technical processes and workflows. He also makes sure both technical and human resources are available to satisfy a large variety of clients' demands (documentary productions, preservation and digitisation plans...) He specifically works on digitization and digital restoration innovations regarding new image and sound standards.



DENISE BARCELLA



Denise Barcella

Denise Barcella works as an audiovisual archivist at the Data and Archives department of the Swiss Radio Television RTS, which is the French speaking swiss public radio and TV network. She leads and coordinates the preservation of RTS's audiovisual heritage, which dates back to 1935 for radio and 1954 for TV. Since 2017, she is in charge of the Quality Check project (QC) related to the mass digitisation of RTS Betacam tapes. QC is part of a larger project aimed to improve data quality and public access to archives (SESAME).



JEAN-PHILIPPE BESSAS

Expert in scanning, encoding and color-grading operations for 2K and 4K formats, in charge of handling and scanning operations for 16 mm – 35 mm for INA and its institutional partners.



Jean-Philippe Bessas

JEAN-HUGUES CHENOT

Jean-Hugues Chenot graduated in 1986 from Ecole Polytechnique, and in 1988 from Ecole Nationale Supérieure des Télécommunications. He joined INA where he developed software for 3D modelling from range images and participated to the virtual studios Synthetic TV project. He is now manager of the INA video processing and restoration research team. Jean-Hugues Chenot was involved in a number of European research projects, related to audio and video digitisation, preservation, digital restoration, and large-scale fingerprinting and content tracking. He is the project manager of the Saphir optical analogue audio disc recording playback project.



Jean-Hugues Chenot



ADAM COWLING



Adam Cowling

Adam Cowling is Records Management Specialist at UNESCO. He is the Project Manager for UNESCO’s “Digitizing Our Shared UNESCO History” digitization project and “Putting a World of Pictures into Words” transcription crowdsourcing initiative. He holds a dual Masters degree in Archival and Library Studies from the University of British Columbia, as well as a Business degree from Carleton University. Adam is passionate about archives, memory and the crossroads between history and new technologies. He worked previously at the World Trade Organization and the International Federation of the Red Cross.



BRECHT DECLERCQ

Brecht Declercq, MA, MSc (°1981) is the Digitization and Acquisition Manager at VIAA, the national audio-visual archive of Flanders, Belgium, since 2013. As such he is responsible for the full digitisation programme and preservation strategy of the Flemish audiovisual heritage. Previously he worked for the Belgian public broadcaster VRT for almost 10 years as a radio archivist



Brecht Declercq

and a project lead in several digitisation, media asset management and access projects. He's an active voice in the international audiovisual archives world, Secretary-General of FIAT/IFTA, the International Federation of Television Archives and outgoing Chair of the FIAT/IFTA Preservation and Migration Commission. He's a frequent speaker on conferences and a critical writer and reviewer. He advises to the Flemish minister of Culture and to several audiovisual archives and broadcasters around the world.



FLORIAN DELABIE



Florian Delabie

Graduated in History/Archives Science and in Management, Florian Delabie is currently a consultant in digital preservation and information management. Working for customer in bank and insurance fields, he is helping company to implement digital archiving solution compliant with the new Belgian legal framework. He is also invested in ISO national committee for records management & archiving and represented the professional archivist association (AAFB) in the discussion for the Belgian Digital Act, defining digital archiving legal framework. Before that, he started his career in broadcasting environment working as a project manager for the “Information management & Archives” department at RTBF. For almost six years he was working for the AV-Archives supporting the cataloguists team. He was focusing on improving the workflow and the quality of metadata catch during all the production workflow. As part of the technology direction, he was also working as an internal consultant in information & data management projects; focusing on users needs definition and change management.



THOMAS DRUGEON

Thomas is a research engineer at Ina, where he has been working since 2002. His main field of activity is the archiving of the web.



Thomas Drugeon

EMILIANO FLORES

Born in 1975 in Clamart, France, Emiliano Flores graduated in sound engineering in 2000 at the Ecole Nationale Supérieure Louis Lumière (Paris region). From 2000 to 2009, Mr Flores worked as recording, mixing and mastering engineer for independent music labels. In 2009, Mr. Flores joined the Bibliothèque nationale de France where he grew to master the digitization and restoration of the audio carriers from the past. In 2012, Emiliano joined Gecko, a leading European audio archive digitization and restoration company where he was appointed audio restoration engineer and project manager.



Emiliano Flores



VINCENT FROMONT



Vincent Fromont

Vincent Fromont coordinates the preservation and restoration activities on the radiophonic collection at INA since 1998. After working as a professional musician and in audiovisual production, he joined INA in 1993 as a radio technician and thus achieved a childhood dream of working in the field of audio and radio engineering. In 1999, he participated in the preservation and digitization program for the radiophonic collection by contributing to the requirements specification definition. Within the same framework, he participated in the setting up of quality check standards for digitized audio archive material.

Vincent Fromont is also a teacher and instructor and has been giving lectures on audio records history and on audio archives restoration for the last 10 years. He worked with both professionals participating in a vocational training within INA as well as students from other schools, including INP (National Superior School for Heritage).

CONRAD GOUWS



Conrad Gouws

Conrad is Technical Architect in the Transformation and Technology division at Radió Teilifís Éireann (RTÉ), the public broadcaster in Ireland. As Technical Architect, Conrad leads the future facing planning and strategy work for technology across the company and, as a member of the Technology leadership team, ensures that projects deliver strategic value and are aligned to the technology roadmap.

Conrad is currently architecting the consolidation of the post production environment and designing a new hybrid-cloud storage platform, with both projects expected to deliver significant operational and business efficiencies. Before joining RTÉ in 2014, Conrad worked for Ion Solutions, the leading provider of professional audio-visual and broadcast technology systems in Ireland.



GIOVANNA HENDEL

Giovanna Hendel currently works as Digitization Projects Coordinator at UNESCO. She is a library and archives curator with specialisms in both 16th century collections and digital heritage collections. She has previously worked for the Wallace Collection, London, for the Bibliothèque nationale de France and for the Musée national de la Renaissance, for which she has recently published the book *Les livres d'heures imprimés de la collection du Musée national de la Renaissance* (Réunion des musées nationaux, 2017).



Giovanna Hendel



BENJAMIN LERENA

Benjamin Lerena works as a project manager within INA Consulting department. He is assisting companies and institutions, in France and abroad, on the preservation, digitization and management of their analogue and digital audiovisual heritage. He has graduated in sound and acoustics and participated to the FIAF Film Restoration Summer School. He has been working as



Benjamin Lerena

a sound restorer at Ina technical department for 13 years before joining the Consulting department and is specialized in audiovisual archives restoration. He carried out assessments of audiovisual collections and contributed to a large plan for helping ICAIC (Cuba) in digitizing and restoring the Noticiero Latinoamericano (National treasure, registered in the Unesco's Memory of the World programme in 2009).

He also leads trainings for students and professionals at INA or in foreign countries (2M in Morocco, Señal Memoria in Colombia) on various topics as restoration, technical aspects for film and audiovisual carriers, digitization plans...



ETIENNE MARCHAND

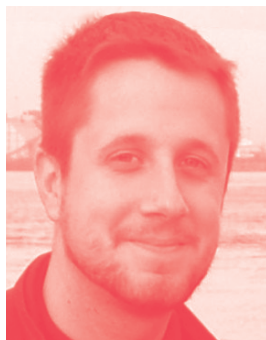
Etienne Marchand is expert and operations executive within INA Preservation, Delivery and Digital Archiving service. He's in charge of digitization of television and radio archives, quality control and content delivery. He manages the service's team of technicians, sets up and constantly improves the workflows, based on the different projects and technical evolutions, in order to meet his service's requirements: preserve the audiovisual contents in the most durable way, in the best possible quality, while making them easily and rapidly available.



Etienne Marchand



THOMAS MONTEIL



Thomas Monteil

Thomas Monteil is a sound restorer at INA collections department. He is working on the most special cases and has to restore severely damaged materials from French national radio archives. Thomas is also in charge of phonographic editions at Ina, and, trainer in initial and vocational training programs.

DAVID PFULGER



David Pfulger

David Pfulger has a PhD in Chemistry and is working in the field of film technology and the preservation of audiovisual media since 2002. He has been part of the film and video competence networks of Memoriav, Switzerland since 2005. There he supervises preservation projects and develops recommendations for archives. He was involved in several scientific projects researching the preservation of film and video, at the Department of Conservation and Restoration of the Bern University of Applied Sciences and the Department of Film Studies of the University of Zurich. He is also active as an independent consultant for archives and carries out technical expertises of audiovisual collections.



ENG SENSAVANG

Eng Sengsavang is Reference Archivist at UNESCO. She holds a dual Masters degree in Archival and Library Studies from the University of British Columbia, Canada. As an archival specialist, she has previously worked for the North Atlantic Treaty Organization, the United Nations Archives, the Museum of Anthropology at UBC, and Tsleil-Waututh Nation, among other organizations.



Eng Sengsavang



MARJOLEIN STEEMAN



Marjolein Steeman

Marjolein Steeman is a specialist on data management and has been associated with the Netherlands Institute for Sound and Vision on several projects as a data- and business analyst. Recently she helped develop a framework for a Preservation Metadata Dictionary, based on the international PREMIS- standard. Her focus is on enhancing the sustainability of the archive, by creating simple and practical solutions for asset management and data governance.

DELPHINE WIBAUX



Delphine Wibaux

Deputy head of International Affairs, Delphine participate in the development of the strategic orientations of Ina's international activities, ensures their implementation, and coordinates the Institute's relations with European, international and multilateral cooperation organizations. Previously project manager responsible for the development and monitoring of European and international projects within the Consulting department of Ina. Delphine followed up and implemented many projects funded by the European Commission (FRAME training course / Creative Europe, Balkans' Memory / IPA ...) and organized international regional seminars on the preservation and enhancement of audiovisual archives.



TRISTAN ZONDAG

Trsitian's role currently is IT architect at NISV. He has been working in the M&E industry for 19 years now and has witnessed the transformation to file based playout at a Dutch broadcast company. Working on encoding and transcoding files in the age when the resolution was 176×144 pixels, up to today's 8K video. Later he's specialized more towards archival and preservation, large scale tape infrastructure and MAM systems.



Tristan Zondag

PRACTICAL INFORMATION

LOCATIONS

INA Institut national de l'audiovisuel

*The training courses will take place at INA's headquarters.
Building BRY 1 — Room 1406.*

Institut national de l'audiovisuel
18, avenue des Frères-Lumière
94366 Bry-sur-Marne

UNESCO

*On Thursday 20th, the training course
will take place at UNESCO.*

UNESCO
7, Place de Fontenoy
75007 Paris

Hotel du Donjon Vincennes

You will stay at the Hotel du Donjon Vincennes.

22, rue du Donjon
94300 Vincennes

LUNCHES

*Lunches will be provided by INA's
company restaurant. Lunches are
included in the registration fee.
The first day, lunch tickets will be
given to you.*

TRANSPORT

*On Monday morning, at your hotel,
you will be provided with a public
transport card allowing you to freely
take the subway and all other public
transports.*

HOTEL

*Breakfasts are included.
The Hotel du Donjon is close to the
Bois de Vincennes and 20 min far
from Paris city center by subway.*

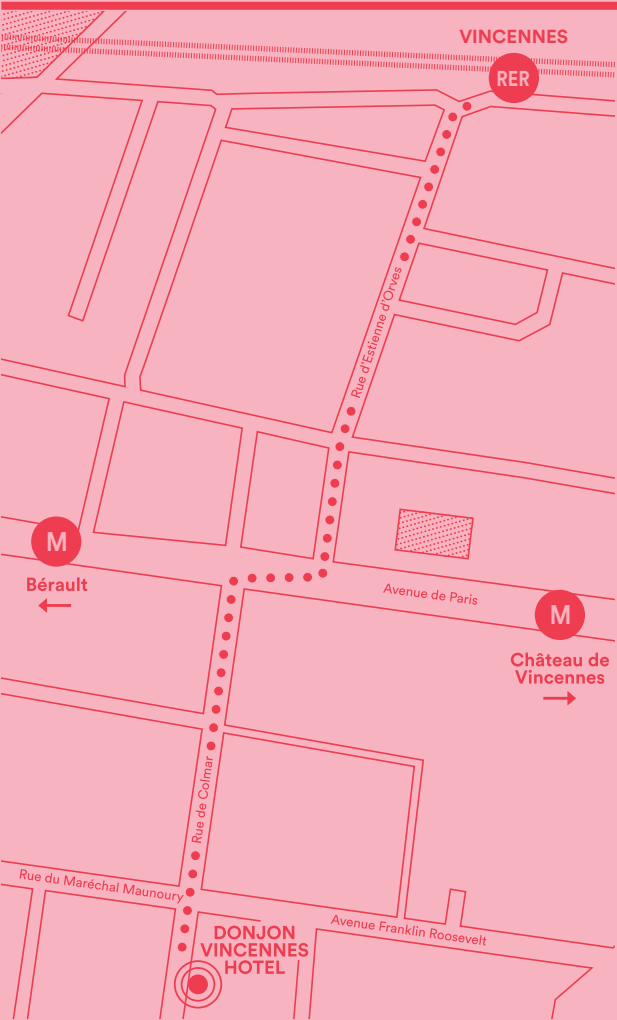
FROM PARIS AIRPORTS AND TRAIN STATIONS TO THE HOTEL

FROM ORLY AIRPORT

- 1 OrlyVal → Antony
- 2 RER B → Châtelet-les-Halles
- 3 RER A → Vincennes (towards Torcy or Marne-la-Vallée or Boissy-Saint-Léger).
- 4 Take the Rue Estienne d'Orves for 200 m and turn right on "Avenue de Paris", walk for 50 m and turn left "Rue des Vignerons", walk for 200 m to reach Rue du Donjon on your leftside. The hotel is situated at the n° 22.

- 4 If you arrived from (M) 1 Bérault (yellow line), you just need to go on the Avenue de Paris for 200 m, and then take the Rue des Vignerons on your rightside.

— Around 15 € – 1 hour and a half



FROM ROISSY CHARLES DE GAULLE AIRPORT

- 1 RER B → Châtelet-les-Halles
- 2 RER A → Vincennes (towards Torcy or Marne-la-Vallée or Boissy-Saint-Léger).
- 3 The route to go the hotel is the same as noted above.

— Around 15 € – 1 hour and a half

FROM GARE DU NORD TRAIN STATION

- 1 RER B → Châtelet-les-Halles (towards Robinson or Saint-Rémy-lès-Chevreuse).
- 2 RER A → Vincennes (towards Torcy or Marne-la-Vallée or Boissy-Saint-Léger).
- 3 The route to go the hotel is the same as noted above.

— Around 3 € – 30 minutes

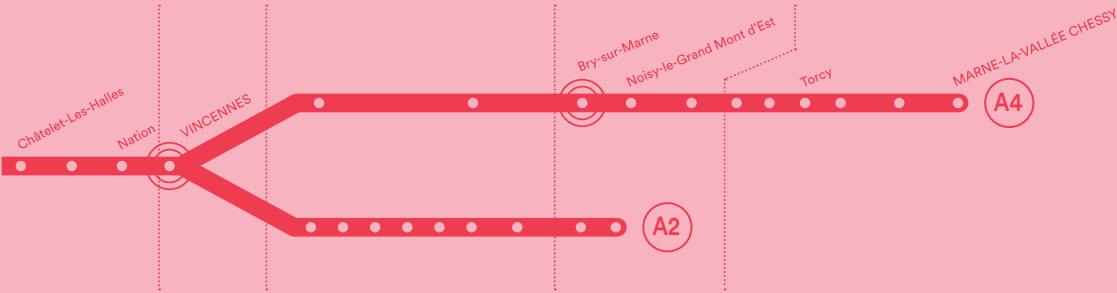
FROM HOTEL DONJON VINCENNES TO INA TRAINING LOCATION

FROM RER VINCENNES STATION TO RER BRY-SUR-MARNE

- 1 RER A → Bry-sur-Marne (towards Marne-la-Vallée Chessy -Parc Disneyland- or Torcy).
- ! The light of Bry-sur-Marne must be ON on the information board.
- 2 Bus 120 → Molière (towards Noisy-le-Grand Mont d'Est RER) or Bus 520 → Molière (towards Les Hauts de Bry)
- 3 INA is just across the street.

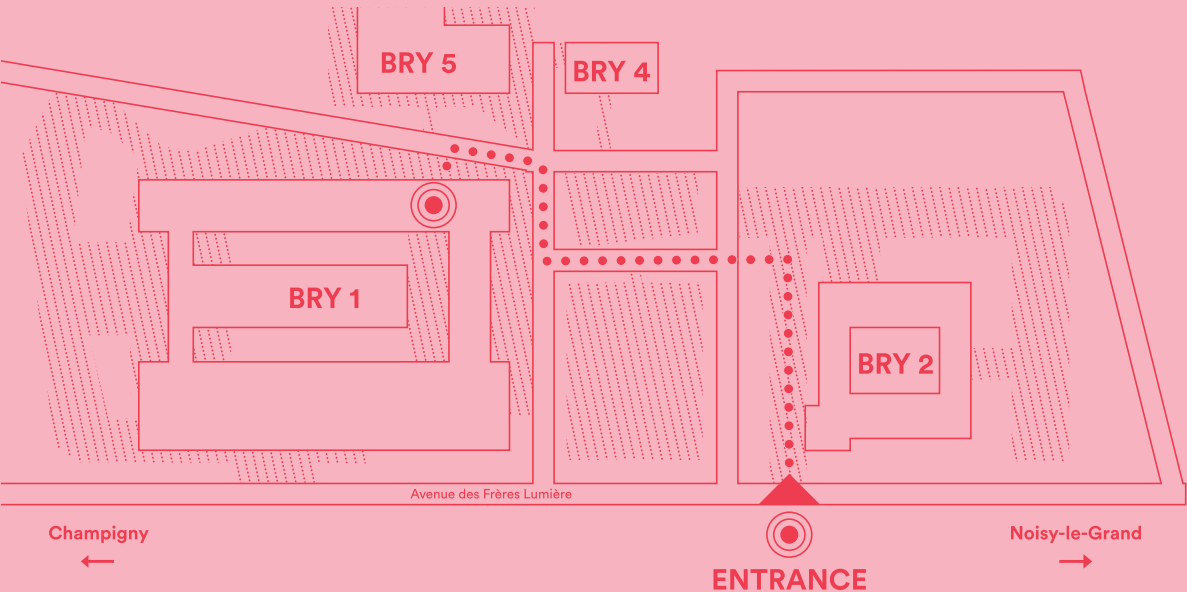
— Please, remember that FRAME training starts on Monday June 17th at 9.45 am at INA.

— You will be asked to give your name and to show your *laissez-passer* at the security check.



ACCESS TO INA TRAINING COURSE LOCATION

- 1 The training courses will take place at INA's headquarters → Building Bry 1 2 Room 1406.



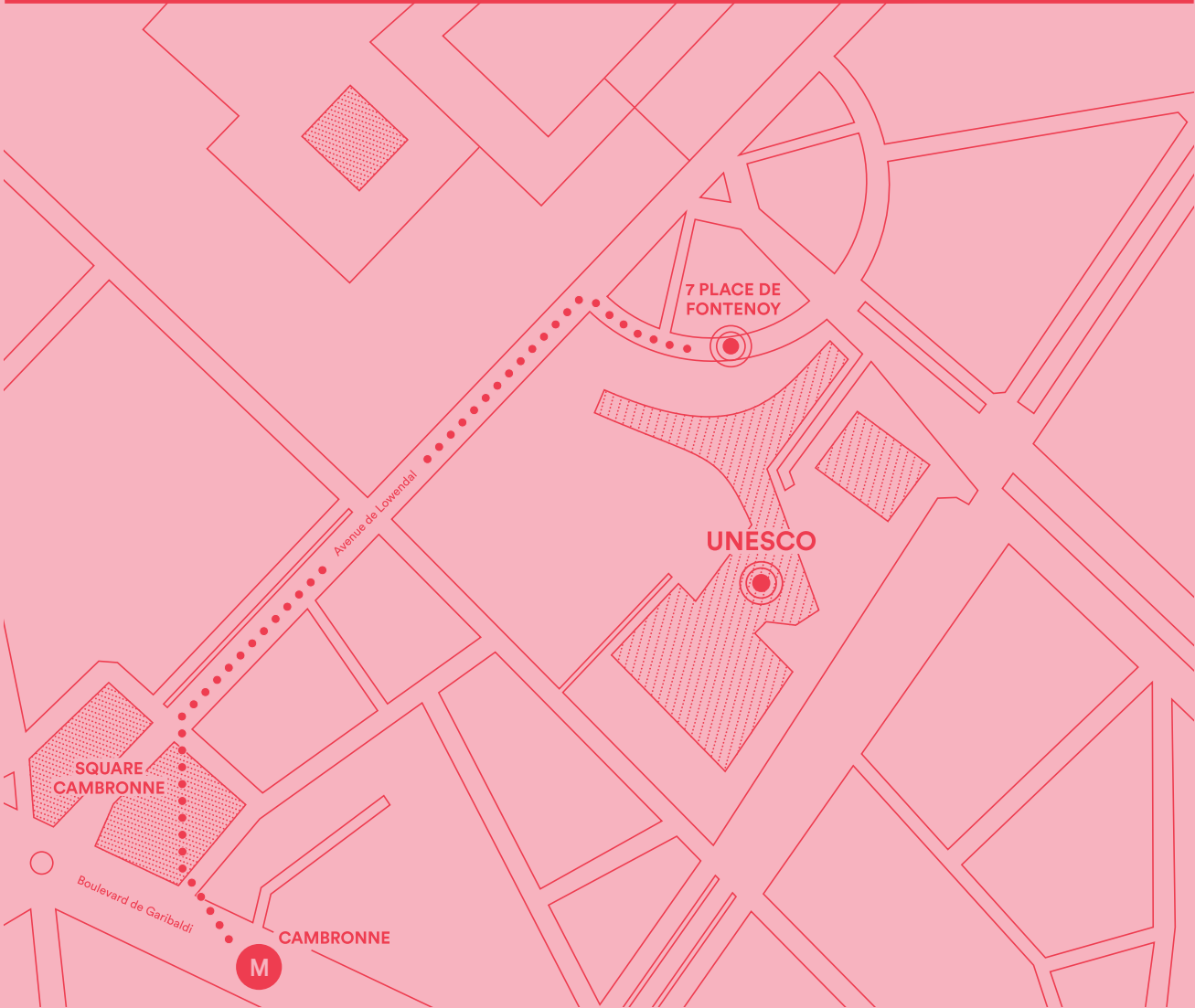
TO GO BACK TO THE HOTEL

- 1 Bus 120 → Noisy-le-Grand Mont d'Est RER
or Bus 520 → Les Hauts de Bry
- 2 Step down at the terminus stop
(Noisy-le-Grand or Bry-sur-Marne)
- 3 RER A → Vincennes

— For more information about public transportation
in Paris, you can see the interactive map:
<http://www.ratp.fr/plans>
<http://www.ratp.fr/en/>

ACCESS TO UNESCO FROM HOTEL

- 1 (M) 1 Bérault → Nation
(towards La Défense)
- 2 (M) 6 Bérault → Cambronne
(towards Charles de Gaulle Étoile)
- 3 Take the Boulevard de Garibaldi
(towards the Square Cambronne)
- 4 Turn right on Avenue de Lowendal
→ Place de Fontenoy
- 5 The entrance of UNESCO is situated at n° 7,
Place de Fontenoy.



CONTACTS

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CREDITS

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