



ANNUAL REPORT 2020

CEPRI

Centre Européen de
Prévention du Risque d'Inondation

EDITORIAL

by the President

CEPRI, like all of you, has had to adapt its activities due to the health crisis. We were not able to meet as we would have liked to, but video conferencing was widely used to maintain exchanges.

However, floods are not stopping because of the health crisis! And we still have in mind the strong images of Storm Alex over the Alpes-Maritimes in October 2020. These events were the subject of an initial discussion by the CEPRI Expert Committee, whose report can be found on the CEPRI website. This disaster and its dramatic consequences illustrate the need for CEPRI to continue the process and the discussions that have been going on for over 10 years now: how can we plan for the future of these areas? How can we rebuild, bearing in mind the risk? This involves making a diagnosis which accurately analyses how floods occur, their causes and their consequences on population, property and activity. A better understanding of these natural phenomena, in a context of climate change, is essential to offer future opportunities to the inhabitants of these affected municipalities.

The CEPRI team continues to work in this direction with all its members and actively participates in the construction of sustainable responses which incorporate flood risk into the planning and the development of our regions.

In 2020, the team developed new guides which were added to the tools available to you and your services.

In 2020, CEPRI has been focusing on the development of multi-benefit solutions when considering energy renovation. Those could be nature-based or require the use of flood-related construction methods.

Local elections saw the appointment of many new officials in the various communities

which are members of our association and we decided to maintain and strengthen our training provision. Training was delivered through video-conferencing. This required the entire CEPRI team to review the way it facilitated these sessions.

We have actively contributed to the working groups set up by central government to adapt the specifications of the Flood Risk Prevention Action Programmes (PAPI), and forwarded your thoughts and suggestions. The PAPI/SLGRI exchange network, created in 2009, has once again shown an interest in nurturing and enriching this work.

Based on the requirements expressed by a number of you, CEPRI has made a commitment to create an online reference platform to help all of you, and more specifically those of you who are looking to commit to the development of a PAPI.

As you will see in the activity report, CEPRI is fully engaged in discussions, at European level, on the new adaptation strategy for climate change knowing that the expected increase in flood risk, linked with climate change in particular, will affect the whole of Europe in the coming years.

I would like to thank you for your active participation in our association. We mutually benefit from the discussions held throughout our regions and, as a result, can better share our members' expectations with decision-makers.

I hope you enjoy reading this activity report and assure you of our commitment to enable

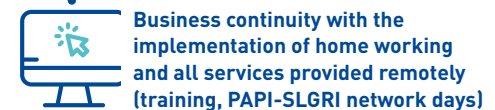
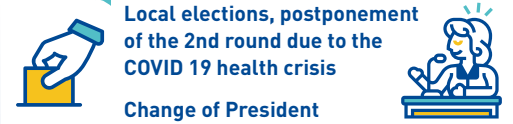
you to always better meet the expectations of your constituents and your region in the face of flood risk.

Marie-France BEAUFILS

Honorary Senator

We mutually benefit from the reflections developed throughout the regions and, as a result, can better share our members' expectations with decision-makers.

Key events of 2020



COMPOSITION

of the association



Other members

The Board of Directors on 31 December 2020



PRESIDENT

Mrs Marie-France Beauflis
AMF

VICE-PRESIDENT

M. Gérard Malbo
Loiret County Council

TREASURER

M. Alain Chambard
SyAGE

SECRETARY GENERAL

M. Frédéric Rose
City of Orléans

DIRECTORS

M. Francis Triquet
Orléans Metropolitan Authority

M. Hubert Lecarpentier
AdCF

M. Jean-François Chemin
SMBVAS

M. Stéphane Haussoulier
Joint Federation
of the Baie de Somme
and Grand littoral Picard

Mme Valérie Lacroute
EPAGE
of the Loing Basin

M. Jean-Louis Léonard
UNIMA

M. Gérard Seimbille
EPTB Oise Aisne

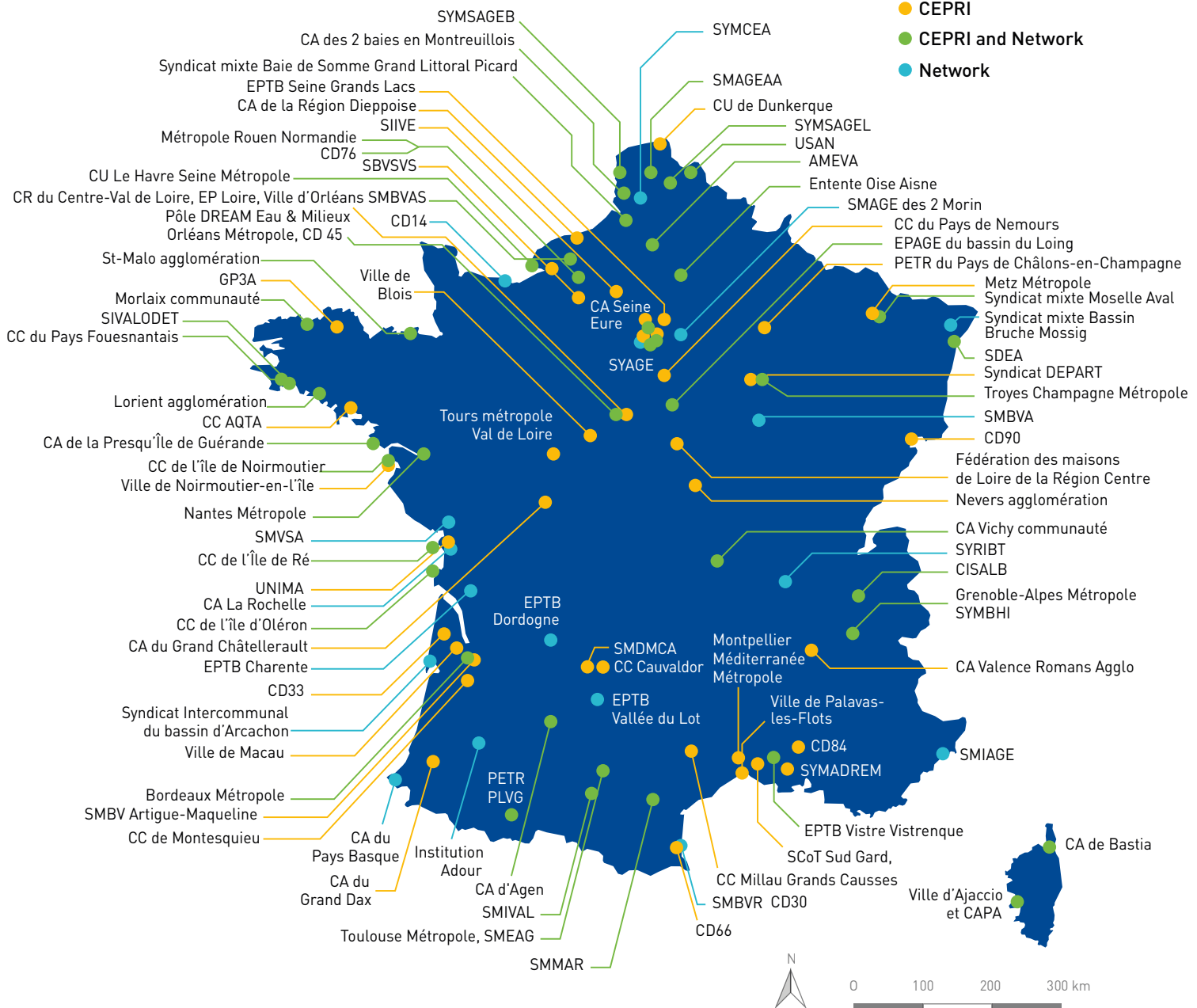
M. Yan Balat
Noirmoutier en l'Île

M. Denis Thuriot
Nevers conurbation

Assembly of the departments of France (ADF)
French association of the council of European municipalities and regions (AFCCRE)
Association of the French territorial engineers (AITF)
Bordeaux Metropolitan Authority
Inter-Trade Union Committee for the Sanitation of Lake Bourget (CISALB)
Grand Châtelleraut Conurbation Community
Grand Dax Conurbation Community
Agen Conurbation Community
Bastia Conurbation Community
Conurbation Community of the Guérande-Atlantique peninsula
Conurbation Community of the Dieppe region
Conurbation Community of the Deux Baies en Montreuillois
Conurbation Community of the Ajaccio region (CAPA)
Conurbation Community of the Seine Eure region
Valence Romans Agglo Conurbation Community
Conurbation Community of the Vichy Community
Municipal community of the Auray Quiberon Terre-Atlantique region (CC AQTA)
Municipal community of the Noirmoutier island
Municipal community of the Ile de Ré island
Municipal community of the Ile d'Oléron island
Municipal community of Montesquieu
Municipal community of CAUVALDOR
Municipal community of the Pays de Nemours
Municipal community of the Pays Fouesnantais
Municipal community of the Millau Grands Causses
Urban community of Dunkerque
Urban community of Le Havre Seine conurbation
County Council of Gironde
County Council of Seine Maritime
County Council of Vaucluse
County Council of Pyrénées Orientales
County Council of Gard
County Council of Val de Marne
Regional Council of Centre Val de Loire
Territoire de Belfort Department
Orly Rungis - Seine Amont Planning and Development Authority (EPA ORSA)
Planning and Development Authority of Loire (EP Loire)
EPTB (Local Public Basin Establishments) Aude (SMMAR)
EPTB Boulonnais (SYMSAGEB)
EPTB Lys (SYMSAGEL)
EPTB Seine Grands Lacs
EPTB Somme (AMEVA)
EPTB Vistre-Vistrenque
Federation of Loire Housing of the Centre Val de Loire Region,
National Federation of concession-granting authorities and public companies (FNCCR)
National Outdoor Hotel Federation (FNHPA)
France Dignes
Grenoble-Alpes Metropolitan Authority (La METRO)

Guingamp-Paimpol Armor-Argoat Conurbation (GP3A)
Lorient Conurbation
Rouen Normandie Metropolitan Authority - La CREA
Metz Metropolitan Authority
Montpellier Méditerranée Metropolitan Authority
Morlaix community
Natural Hazards Mission (MRN)
Nantes Metropolitan Authority
Order of Land Surveyors
Pays de Châlons en Champagne Hub for regional and rural balance
Pays de Lourdes et des Vallées des Gaves Hub for regional and rural balance
DREAM Hub for water and aquatic environments
Saint Malo conurbation
SIVALODET
Orge Federation
Federation for Research, Planning and Development of the Troyes Region - DEPART Federation
Alsace-Moselle Water and Sanitation Federation (SDEA)
Intercommunal and interdepartmental Federation of the Epte Valley (SILVE)
Intercommunal Federation for the sanitation of the Bière Valley (SIAVB)
Joint Federation of the drainage basins of the Artigue and the Maqueline (SMBV Artigue-Maqueline)
Joint Federation for the development and water management of the Aa river (SmagAa)
Joint Federation for the study and development of the Garonne river (SMEAG)
Joint inter-departmental Federation of the Lèze Valley (SMIVAL)
Joint inter-regional Federation for sea defences of the Rhône Delta and the sea (SYMADREM)
Joint Federation for the hydraulic basins of Isère (SYMBHI)
Joint Federation of the Saane Vienne Scie Reservoirs (SBVSVS)
Joint Federation of Scot Sud Gard
Joint Federation Moselle Aval
Joint Federation of the Dordogne Moyenne and the Cère Aval (SMDMCA)
Toulouse Metropolitan Authority
Tours Val de Loire Metropolitan Authority
Troyes Champagne Metropolitan Authority
Trade Union of Hydraulic Development in the North of France (USAN)
City of Ajaccio
City of Blois
City of Gennevilliers
City of Macau
City of Palavas les Flots
City of Paris
Cities of France

MAP of Members



NATIONAL ASSOCIATION MEMBERS

Assembly of the Communities of France (AdCF)
 Assembly of the Departments of France (ADF)
 Association of the Territorial Engineers of France (AITF)
 Association of the Mayors of France (AMF)
 French Association of the Council of European municipalities and regions (AFCCRE)
 National Outdoor Hotel Federation (FNHPA)
 National Federation of concession-granting authorities and public companies (FNCCR)
 France Dignes
 Order of Land Surveyors (OGE)
 Natural Hazards Mission (MRN)
 Cities of France

CEPRI ÎLE-DE-FRANCE MEMBERS

CD94
 City of Gennevilliers
 Intercommunal Federation for the sanitation of the Bière Valley (SIAVB)
 Orly Rungis - Upstream Seine River Planning and Development Authority (EPA-ORSA)

CEPRI MEMBERS AND PAPI-SLGRÎ ÎLE-DE-FRANCE NETWORK

City of Paris
 Orge Federation

PAPI-SLGRÎ ÎLE-DE-FRANCE NETWORK MEMBER

Intercommunal Federation for the Hydraulic Development of the Yvette Valley (SIAHVY)

PAPI-SLGRÎ NETWORK MEMBER / OVERSEAS DEPARTEMENTS AND REGIONS MEMBER

City of Les Abymes (Guadeloupe)

THE WORK

of the Expert Committee



CEPRI's Expert Committee (established in 2012) is an advisory body which examines the technical and scientific strategies proposed by the organisation. Based on the multi-disciplinary knowledge of its members, it provides a robust expertise aimed at upholding the high quality of CEPRI's discussions. The Expert Committee meets two to three times a year to discuss themes approved by the Board of Directors. Sessions are administered by the CEPRI team. The CEPRI Expert Committee currently has 12 members.

André Bachoc, previous SCHAPI Director

Jean-Marc Février, Lawyer, Professor of Public Law at the University of Perpignan

Francisca Espinoza, Doctor of Psychology, Member of the Institute for History and the Memory of Catastrophes (IHMEC)

Emmanuel Garnier, Lecturer in Modern History at the University of Caen, Lecturer and Researcher at the Quantitative History Research Centre

David Goutx, Deputy Director at DREAL Pays de Loire

Frédéric Grelot, Researcher-Economist at INRAE

Eric Daniel-Lacombe, Architect

Julien Langumier, Doctor of Anthropology, Director of the Risk Management Hub at the Bouches-du-Rhône DDTM

Bruno Ledoux, Director of the Vistre-Vistrenque EPTB (Local Public Basin Establishments)

Magali Reghezza, Director of the Training Centre for Environment and Society and Lecturer at the École Normale Supérieure, Member of the High Council on Climate

Serge Tisseron, Psychiatrist, Doctor of Psychology, founder of the Institute for History and the Memory of Catastrophes (IHMEC)

Freddy Vinet, Lecturer and Researcher in charge of the Master Degree in Management of Natural Risks and Disasters at the University of Montpellier III

LIFE OF THE ASSOCIATION IN 2020



3 board meetings:
28 May,
28 September
and 16 December

4 offices:
5 February,
28 April, 28 May
and 24 November

1 statutory general meeting: held by video-conference on 14 October

In 2020, CEPRI organised and hosted two Expert Committee meetings:

- 7 February: "What progress have we made since the Xynthia Storm and the flooding in the Var region 10 years ago? What are the requirements relating to flood prevention?"

- on 11 December: "Lessons learnt (REX) from the Alpes-Maritimes floods of 2 October 2020"



EVENTS

2020

JANUARY 2020

- 08/01** // Forum of the "Loire Plan" key stakeholders in Orléans (45)
- 15/01** // POPSU Forum in Paris
- 16/01** // CGEDD Mission in Paris on the mapping of areas liable to flooding
- 17/01** // Meeting of the COTECH PPRL PANES in Le Havre
- 18/01** // Meeting of the "AMC" Working Group at La Défense (92)
- 21/01** // Presentation of the International Levee Handbook in Paris
- 27/01** // Meeting of the "Network Vulnerability" Working Group in Paris
- 27/01** // "Predicting and Quantifying Extreme Natural Hazards" Conference in Paris
- 30/01** // PAPI training organised by the MTE at La Défense (92)

FEBRUARY 2020

- 04/02** // COPIL CEREMA/ANEL tender in Paris
- 05/02** // CEPRI office in Paris
- 05/02** // PAPI/SLGRI Network Day in Paris on "Reducing the Vulnerability of Public Services and Facilities to Flood Risk"
- 06/02** // CMI (Joint Commission for Flood)
- 06/02** // CEREMA "Risks and Regions" Technical Day in Nancy
- 07/02** // Expert Committee in Paris "What progress have we made since Storm Xynthia and the Var floods ten years ago? What are the requirements relating to flood prevention?"
- 13/02** // Technical Day on Natural Water Retention Measures organised by OIEau/OFB/CGDD at La Défense (92)
- 18/02** // Meeting on the Bordeaux Metropolitan Authority PLU (i) in Bordeaux

MARCH 2020

- 04/03** // Working Group preparation for the PAPI audit at La Défense (92)
- 06/03** // PPRI meeting in Le Havre
- 10/03** // OFB meeting in Vincennes as part of the launch of the Life Artisan project
- 19/03** // AFPCN Office
- 25/03** // Meeting with the Auditor

APRIL 2020

- 01/04** // "The Huge Potential of Artificially Bringing back Nature to Cities", workshop led by the Paris Region Institute
- 01/04** // Meeting of the PFE Biodiversity Working Group
- 01/04** // Runoff symposium by the SHF/ANEB Scientific Council
- 03/04** // AFPCN CA
- 09/04** // Runoff symposium by the SHF/ANEB Scientific Council
- 09/04** // FFA meeting on the reform of the natural disaster compensation scheme
- 16/04** // Meeting between the ANEB, FNCCR and France Dignes on regulatory developments on GEMAPI competency
- 22/04** // ANEB/FNCCR working meeting on PAPI audit
- 23/04** // AFPCN Office
- 28/04** // COPIL Life ARTISAN Network and Resource Centre
- 28/04** // CEPRI Office
- 28/04** // Meeting on the resilience of city buildings bearing in mind 21st Century challenges by the OID and the City of Paris

MAY 2020

- 06/05** // COPIL Ideal Co
- 06/05** // Meeting of the PFE Biodiversity Working Group
- 14/05** // AFPCN office
- 14/05** // CEPRI Training on "Vulnerability Reduction"
- 18/05** // Remote joint environment workshop of the Environmental Factory on "Coastal Adaptation to Climate Change"
- 26/05** // PAPI Day on "Planning for Rise in Water Level and Floods and Preparation for Crisis Management"
- 26/05** // COPIL CEREMA/ANEL Tender
- 27/05** // European forum on urban resilience, organised by ICLEI and the European Environment Agency
- 28/05** // CEPRI Office and CA

JUNE 2020

- 04/06** // AFPCN office
- 05/06** // 1st "AMC" workshop
- 10/06** // Meeting of the PFE Biodiversity Working Group
- 11/06** // CEPRI Training "From GEMAPI Competency to Global Flood Risk Management"
- 12/06** // 2nd "AMC" workshop
- 12/06** // PFE CA
- 16/06** // COTECH of the Life Artisan project
- 17/06** // Work meeting on the PAPI audit at La Défense
- 22/06** // Meeting of the IUCN "Nature Based Solutions" Working Group
- 24/06** // Seine Plan committee in Paris
- 25/06** // AFPCN CA
- 26/06** // 3rd "AMC" workshop
- 30/06** // "Building Better in the face of Flood Risk - Current Situation and Way Forward" by AFPCN on build Back Better
- 30/06** // PAPI Day on "Actions Arising from the PAPI Audit"

JULY 2020

- 02 & 03/07** // CMI at La Défense
- 08/07** // Meeting of the DGALN Regional Workshop
- 08/07** // COPIL AMITER at La Défense
- 09/07** // CMI at La Défense
- 09/07** // ORSIL Loiret Steering Committee
- 10/07** // COPIL appeal for CEREMA/ANEL partners

AUGUST 2020

- 31/08** // Working meeting on the implementation of a regional MIAM/IRMA training programme

SEPTEMBER 2020

- 03/09** // Meeting relating to the PAPI audit at La Défense
- 10/09** // Judging the MRN "Resilient Buildings" Competition in Paris
- 11/09** // Meeting relating to the PAPI audit at La Défense
- 14/09** // HDR support by Eric Daniel Lacombe
- 15/09** // RDI Seminar
- 18/09** // PAPI audit Working Group
- 17/09** // DGSCGC training on flood risk in Lognes (77)
- 22/09** // Seine Plan committee in Paris
- 24/09** // AMITER project review
- 24/09** // AFPCN AG
- 24/09** // CEREMA Steering Committee
- 25/09** // COFIL resources for the Life Artisan project
- 28/09** // CEPRI CA
- 29/09** // CMI at La Défense
- 29/09** // CEPRI training on the "Integration of Flood Risk into Planning Policies"
- 30/09** // Presentation on climate change at the Weather and Climate Symposium in Paris

OCTOBER 2020

- 01/10** // SCOT Centre-Val de Loire Regional Technical Club
- 01/10** // Working meeting on PPRI Millau
- 02/10** // JTechnical day "Building and Flood Risk" organised by the Alsace-Moselle Water and Sanitation Federation
- 05/10** // AMC Working Group
- 06/10** // COFIL Life Artisan project network
- 06/10** // PAPI Day on "Lessons Learnt after the flood"
- 07/10** // Forum for the Loire Plan stakeholders
- 08/10** // AFPCN Office
- 12/10** // PFE CA
- 13/10** // National Day for Prevention of Natural Disasters in Paris
- 13/10** // Meeting of observers of the INTERREG project "two seas" Polder2C's
- 14/10** // CEPRI general assembly
- 15/10** // Working meeting with MIIAM on spatial reorganisation

- 15/10** // Attending the ANEL National Study Days "How to Build Resilience in Coastal Areas for Major Crisis?" in St Valéry sur Somme
- 20/10** // CEPRI training on "runoff risk"
- 20/10** // DGALN Seminar on Regional Workshops in Paris
- 22/10** // Meeting on the Orléans Metropolitan Authority Major Risk Observatory
- 26/10** // IPEC Symposium - Climate Stress - Part 1
- 27/10** // Meeting between Cédric Bourillet (MTE Major Risk Delegate) / Marie-France Beaufils and Valérie Lacroute in Paris
- DU 27 AU 30/10** // Meetings of the European Commission's "Floods" Working Group

NOVEMBER 2020

- 03/11** // France Dignes General Assembly
- 03/11** // CRACC Meeting of the Life Artisan project
- 05/11** // CEPRI "Global Management of Flood Risk" training for elected officials and technical services of the Riom Limagne et Volcans Conurbation Community
- 06/11** // Meeting on the Orléans Metropolitan Authority Major Risk Observatory
- 12/11** // AFPCN office
- 19/11** // CEPRI training on "Mayors' Management of Flood Crisis"
- 19/11** // Seminar for SLGRI/PAPI Holders by the Loire Authority
- 24/11** // CEPRI Office
- 24/11** // MIIAM webinar "Performance of Flood Prevention Actions"
- 25/11** // GT Life Artisan project network
- 25/11** // DGALN Working Meeting on the Capitalisation of National Workshops
- 26/11** // CEPRI training on «The Integration of Flood Risk in Land Use Policy» for elected officials and technical services of the Riom Limagne et Volcans Conurbation Community
- 27/11** // AFPCN CA
- 30/11** // National COTECH COFIL for the Life Artisan project

DECEMBER 2020

- 01/12** // JPAPI Day on "Taking Climate Change into Account in PAPI-SLGRI"
- 01/12** // Official launch of the Life Artisan project
- 01/12** // Lancement officiel du projet Life Artisan
- 09/12** // CMI
- 09/12** // Workshop focused on the risk management of hazards and resilience Urban Planning Agency and Lyon Metropolitan Authority
- 10/12** // Presentation, by the DGPR and the BRGM, on the developments of the "Georisques" platform
- 11/12** // CExpert Committee on "Lessons Learnt from the Floods of the Alpes-Maritimes of 2 October 2020"
- 14/12** // IPEC Symposium - Climate Stress - Part 2
- 15/12** // COFIL appeal for ANEL/CEREMA partners
- 16/12** // CEPRI CA
- 16/12** // Launch of the AFPCN "Major Risks Overseas" Working Group
- 17/12** // Working Group meeting dedicated to the CEPRI "multi-benefit solutions" project with the participation of the National Federations for Construction and the Ministry of Ecological Transition
- 18/12** // COPRNM

2020 ACTIVITIES

5 PRIORITIES UNDERPINNING THE 2020 PROGRAMME OF ACTIVITIES:

1 REPRESENTING REGIONAL AUTHORITIES ALONGSIDE OTHER ASSOCIATIONS AT NATIONAL LEVEL

2 INNOVATING AND DEVELOPING NEW TOOLS FOR REGIONAL AUTHORITIES

3 SUPPORTING LOCAL AUTHORITIES WITH PROJECTS RELATING TO THE IMPLEMENTATION OF LOCAL POLICIES

4 STRUCTURING A EUROPEAN NETWORK

5 PROVIDING A TRAINING PROGRAMME ON FLOOD RISK MANAGEMENT

WHILST DRAWING ON THE EXPERTISE
OF A NETWORK OF EXPERTS TO
ESTABLISH CEPRI'S SCIENTIFIC AND
TECHNICAL GUIDANCE

1 REPRESENTING LOCAL AUTHORITIES AT A NATIONAL LEVEL

TAKE PART IN NATIONAL AND EUROPEAN DISCUSSIONS ON THE DEVELOPMENT OF PUBLIC POLICIES

CEPRI was audited by inspectors general as part of a mission to map areas liable to flooding.

Building on the audit conducted in 2009 by the administration inspectors on the PAPI programme, CEPRI organised, within the framework of the PAPI/SLGRI network it runs, a day dedicated to feeding back the results of their work and promoting exchanges between public services and PAPI holders.

It then joined the various working groups set up by the DGPR to move towards a simplification of the scheme.

CEPRI sought the opinion of the PAPI/SLGRI network members on the changes relating to specifications, summarised the findings before forwarding them to the DGPR so that they could be taken into consideration when preparing the new "PAPI 3 2021" specifications.

CEPRI contributed, alongside DGALN, to the enhancement of the 2019 workshops on the theme "What place for water in planning and development?" by taking part in a round-table discussion at the national restitution seminar on 30 October. The 2020 workshops (Dieppe, Cabourg and Occitanie) have also been the subject of numerous postponements due to municipal elections and the health crisis.

CEPRI responded to the consultation on the new European adaptation strategy on climate change by stressing the preponderance of flood risk.

TAKE ACTION WITH REGARDS TO THE 2020 FLOOD RISK MANAGEMENT TOOLS

CEPRI continued to acquire knowledge on the spatial reorganisation of coastal areas. A Project Manager dedicated to this topic took part in several conferences on both coastal risks and the effects of climate change.

Through supporting several areas exposed to various flood risks (Millau, Le Havre Seine Metropolitan Authority, Cauvaldor, Bordeaux Metropolitan Authority etc.), CEPRI was able to monitor

the implementation of Decree N° 2019-715 of 5 July 2019 concerning risk prevention plans relating to "Hazards of Watercourse Overflow and Marine Submersion».

CEPRI also monitored the implementation of the second round of the Flood Directive.

In July 2020, CEPRI was actively involved in the steering committee of the AMITER project and took part in its review in September 2020, in the presence of representatives from Côte Fleurie, Vernon, the Municipal Community of the Montereau area, the CA of Saint-Nazaire, of Tours Val de Loire Metropolitan Authority, of Saint Etienne, of the CA of Grand Dax, of the CA Béziers Méditerranée and of the Aix-Marseille-Provence Metropolitan Authority.

Furthermore, in line with this approach, CEPRI was a judge of the "2020 Resilient Buildings" Competition organised by the Natural Hazards Mission MNR).

PROVIDING EXPERTISE TO THE JOINT COMMISSION FOR FLOOD (CMI) AND TO THE ADVISORY BOARD FOR THE PREVENTION OF MAJOR NATURAL HAZARDS (COPRNM)

Marie-France Beauflis co-chaired the CMI throughout 2020 and Alain Chambard, President of Syage, represented CEPRI during the 5 meetings of 2020. During these meetings, CEPRI repeatedly expressed its concerns regarding the budgeting of the Barnier Fund as set out in the Finance Act 2021.

The governance of COPRNM has been reviewed, leading to new appointments: Valérie Lacroute, Mayor of Nemours, President of the Pays de Nemours inter-community and Administrator of CEPRI has been appointed to represent the AMF in this instance. The first meeting of the new governance was held on 18 December.





2 VATING BY DEVELOPING NEW TOOLS: ADAPTING FOR LIVING IN AREAS LIABLE TO FLOODING ALONG RIVERS AND COASTLINES

DEEPENING OUR KNOWLEDGE

Support the roll-out of the multi-criteria analysis methodology (AMC).

CEPRI participated in the various working groups led by the CGDD to improve the AMC method. As part of this work, CEPRI has produced a report on the relevance and feasibility of a methodology for assessing the socio-economic effectiveness of Local Flood Warning Systems (SDAL).

At the same time, CEPRI conducted a survey on the appropriation of the AMC methodology by the PAPI Project Managers to help them quantify the level of awareness of the socio-economic analysis, identify the difficulties encountered and understand the place of the AMC in the development of a PAPI.

Capitalise on its wide expertise regarding runoff risks.

Building on the work carried out on the risk of runoff flooding and the training dedicated to it, CEPRI brings together developments on this topic and capitalises on its knowledge in the form of a new 2021 guide.

Evaluate the effectiveness of the flood management policy in France, 10 years after Xynthia and the 2010 Var floods, review the progress made as well as the projects to be pursued and even instigated.

Following its expert committee of 7 February 2020, CEPRI produced a summary report on the progress made 10 years after the 2010 floods with a view to identifying flood prevention needs.

Improve accessibility to flood risk information by working on tools and media for sharing and pooling data. Facilitate the use of available information to diagnose regional vulnerability to flooding.

The vulnerability diagnosis has gradually become a vital piece of information in the production of PAPI files. The National Vulnerability Framework, published in 2016, has set out a national framework which is relevant to any regions.

In order to help Project Leaders to adopt this approach, CEPRI has carried out an inventory of the main national databases

with information useful for the diagnosis of vulnerability to flooding.

CEPRI has published an accompanying kit to help regions to carry out the diagnosis of vulnerability to flooding, which includes:

- > a chart to guide Project Leaders in the major areas of diagnosis;
- > a description sheet for each national database considered useful under the national flood vulnerability benchmark;

The accompanying kit is available to CEPRI members on the "member" area of our website.

RAISING AWARENESS AMONG POPULATIONS, ECONOMIC STAKEHOLDERS AND PLANNING PROFESSIONALS AND PARTICIPATING IN THE ACQUISITION OF ADAPTED BEHAVIOURS BY THE POPULATIONS

As a result of the work carried out in the context of the evaluation of regulatory mechanisms for informing populations, CEPRI has been working to identify a large number of actions aimed at raising public awareness on flood risk outside the regulatory scope. Equipped with information gathered from these actions



and the production of a questionnaire aimed at those leading these initiatives, CEPRI has embarked on the drafting of a report. This new publication, in the form of an overview, invites regional authorities to develop a real communication strategy on flood risk aimed at a range of targets and focused on making private individuals responsible for their own safety. This publication will be released in early 2021.

PLANNING SUSTAINABLY WHILST ADAPTING REGIONS TO CLIMATE CHANGE AND BUILDING REGIONS WHICH ARE ROBUST AND ADAPTED TO FLOOD RISK IN THE FUTURE

Develop a wide range of multi-benefit solutions:

Raise awareness of measures which contribute both to the reduction of flood risk vulnerability and to energy retrofit.

The purpose of this approach, introduced in 2018, is to allow stakeholders in energy renovation to seize the opportunity of a work request to reduce the energy bill and offer measures and/or work to private individuals which also contribute to reducing flood vulnerability at a reduced cost.

With the support of local stakeholders, the approach has been translated into the development of help for energy retrofit

professionals to facilitate an understanding of flood risk and vulnerability reduction measures.

In order to consolidate information and broaden its discussions, CEPRI set up a new working group in December 2020 whose aim was to bring together national stakeholders of the construction industry (CAPEB, FFB, AQC), MRN, architects, and departments of the Ministry of Ecological Transition (DGPR and DHUP). The aim is to ascertain the conditions for local experimentation of CEPRI's information documents and to discuss, with those stakeholders, the most effective ways to disseminate them.

Intensify the implementation of nature-based solutions (SFN) in development projects which more closely integrate water and associated flood risks (notion of multifunctionality of developments and "more nature in the city" concept).

In 2020, CEPRI began an action as part of the Life Artisan project coordinated by the French Office for Biodiversity (OFB): Increasing resilience to climate change by providing incentives for regions to implement nature-based adaptation solutions (SAFN).

This action entails the production of a guide on the use of nature-based solutions in France and in Europe to prevent flooding (river overflows, marine submersion, runoff)

and adapt to climate change. The aim is to use regional examples to showcase actions and best practices.

A 6-month programme has enabled the team to gather key bibliographical elements on the subject as well as to identify SAFN's achievements in France through a dozen interviews. The guide is expected to be ready by the end of 2021. CEPRI is also responsible for the implementation of a «water» network which bring together different organisations who have an interest in the roll-out of SAFNs. The network's own working groups will run from 2021 to 2027 to promote a more systematic roll-out of nature-based solutions, in conjunction with other flood risk management measures.

CEPRI took also part in webinar-style working groups organised by the French Committee of the International Union for the Conservation of Nature (IUCN) and the French Water Partnership (PFE)

Raise awareness among regional authorities and planning professionals of the "Build Back Better" process and take advantage of each of the reconstruction and urban renewal operations, to build better and differently, thus contributing to the reduction of the progressive vulnerability of the regions.

On 29 September 2020, CEPRI organised a training session which provided methodological paths to local authorities and public services to better integrate the various flood risks (overflowing rivers, marine submersion, runoff, slick rise, etc.) into the tools of local planning legislation (SCoT, PLU), and in operational projects. The training highlighted the importance of taking into account flood risk from initial planning to the granting of planning permissions including in the programming of works, in urban renewal and even in the re-qualification of neighbourhoods.

Support local authorities in further integrating flood risk into their planning documents and planning permissions.

CEPRI has supported several regions in their discussions on the integration of the various flood risks into their planning documents, in planning permissions and into their land use policies:

- Bordeaux Metropolitan Authority (actions and tools to: inform and raise awareness of the staff and students of the Saint Vincent de Paul school; enhance the refuge school of Saint Vincent de Paul; provide strategy for adapting to climate change and an action plan on the topic of flood risk prevention as well as discussions on the farming project of Bouliac plain etc.);

- Nantes Metropolitan Authority (supporting the implementation of the metropolitan PLU by liaising with the training services, sharing the CCTP of hydraulic studies and guides produced by other local authorities, facilitating the preparation of planning applications by facilitating networking with communities with similar questions etc.);

- Municipal Community of Causes and Dordogne Valley - Cauvaldor (OAP Dordogne, PPRi Dordogne upstream and downstream, actions implemented for the management of aquatic environments in connection with mayors and public services (GEMAPI) flood benchmarks, local flood warning system, vulnerability reduction etc.);

- Le Havre Seine Metropolitan Authority (supporting the development of the PPR coastal regulation, proofreading and sharing of examples of PPR regulations in other regions, participating in the technical committee, integrating flood risk into regional land use policies, assisting with the drafting of the strategic report etc.);

- The city of Millau and its inter-community (supporting the revision of the PPRi, proofreading documents produced as part of the PPRi reviews, taking part in national and regional council meetings, joining discussions on the implementation of exceptions to building constraints

according to the content of the new 2019 PPR decree, contributing to the strategy of the inter-community in terms of flood prevention etc.).

It has sometimes been difficult to schedule local meetings, either because of a significant change in elected members due to local elections, or because of the health crisis, which has monopolised risk management services in a variety of local authorities.

CEPRI designed and delivered, on 26 November 2020, a personalised training day for the Riom Limagne and Volcanoes Conurbation Community on "The Integration of Flood Risk into Land Use Planning"

CEPRI also wrote an article on managing the risk of runoff flooding in major cities (current practices and challenges) as part of the International Conference on "Water, Megacities and Global Change", which was scheduled to take place at UNESCO in December 2020. The above article was selected and should have been presented by CEPRI. This has now been postponed until December 2021 due to the health crisis.

Finally, CEPRI participated in the updating of the brochure entitled "Constructions in Areas liable to Flooding - Design and Adaptation to Sites" produced by Quality Construction Agency, to which it had already contributed in 2015.





Support coastal areas in their discussions about spatial reorganisation

Building on the work carried out on the topic of coastal risks (expert committee 12/2017, working groups of 11/2018 and 06/2019), CEPRI carried out internal work on the financing mechanisms of spatial reorganisation in parallel with its participation in the steering committee of the ANEL/CEREMA partner appeal on integrated coastal management.

CEPRI has formed a partnership with DREAL PACA as part of the Interregional Mission for the Coordination of Flood Risk Prevention on the Mediterranean Arc (MIIAM), which was created by the Prefect for the Defence and Security of the Southern Zone on 1 June 2017.

It includes, in 2021, the organisation, by CEPRI, of a day of exchanges on post-flood regional reorganisation and the integration of risk in land use planning in the Alpes Maritimes. With this in mind, the CEPRI expert committee met on 11 December to start discussions on the lessons learnt from the floods in the Alpes Maritimes of 2 October 2020.

MANAGING CRISIS / ANTICIPATING THE RETURN TO NORMAL CONDITIONS IN REGIONS

In 2020, CEPRI developed and published a document called "A Guide to Flood Crisis Management" aimed at locally elected officials.

It also posted 3 summary fact sheets online which feature local examples on how to prepare for crisis management:

- The "Inforisques Loiret" platform produced by the Loiret County Council;
- ORSEC Submersion 17 drill held in November 2019 in Charente-Maritime;
- The October 2020 drill organised by SYMADREM with the municipalities of the Lower Rhone Valley.

As part of the PAPI/SLGRI network, CEPRI organised and hosted two days of exchanges on the theme of flood crisis management: one on 26 May on "Planning for Rise in Water Level and Floods and how to prepare for Crisis Management" and one on 6 October on "Lessons Learnt from the floods".

Training on flood crisis management for regionally-elected government officials and technicians working for regional councils was added to CEPRI's rich training provision. The first session was held on 19 November 2020.

CEPRI continued to participate in the working groups led by SIDPC and the Loiret DDT on the review of the ORSEC "Loire flood" provision in the Loiret department.

Finally, CEPRI contributed to the training organised by the Ministry of the Interior on the risk of flooding for prefecture staff.

STABILISING THE ACQUISITION OF GEMAPI COMPETENCY

Support regional authorities in the development of the GEMAPI competency by exchanging good practices and sharing resources between CEPRI members (CCTP studies and works, examples of conventions, etc.).

Identify good practices in the management of aquatic environments which lead to better flood prevention as part of the SAFN "Life Artisan project" guidance.

CEPRI organised and facilitated a training course on 11 June 2020 on the GEMAPI competency "From GEMAPI Competency to Global Flood Risk Management" which allows us to understand the links between GEMAPI competency and crisis management, as well as between GEMAPI and land use planning.

CEPRI designed and delivered a personalised training day for the Riom Limagne and Volcans Conurbation Community out of

which one part was dedicated to GEMAPI competency.

Finally, CEPRI remotely attended, as associate member, the general meeting of the France Dignes association during which the additional actions conducted by both structures were recalled.

3 SUPPORTING LOCAL AUTHORITIES WITH THEIR LOCAL POLICIES

SUPPORTING LOCAL PILOT SCHEMES CARRIED OUT BY COMMUNITIES WITHIN THE CONTEXT OF LOCAL RISK MANAGEMENT STRATEGIES AND FLOOD PREVENTION ACTION PROGRAMMES

In 2020, CEPRI and the MRC in Coaticook, Quebec, entered into a partnership aimed at sharing experiences relating to flood risk management between the Canadian region and the CEPRI member communities. The first step will involve partners from the Quebec area visiting France in 2022 in order to meet key French players in flood risk management and find out more about some of the innovative actions which have been implemented in our regions.

CEPRI participated in 3 preparatory workshops on the future Orléans Metropolitan Authority Risk Observatory.

PROMOTING THE SHARING OF EXPERIENCES BETWEEN OPERATIONAL STAKEHOLDERS

In 2020, 5 new communities joined the PAPI/SLGRI network which now counts 63 members.

As part of this network, CEPRI organised and hosted 5 days of exchanges, 4 of which were delivered remotely:

- > “Reducing the Vulnerability of Public Services and Public Facilities to Flood Risk” - 5 February 2020 - Paris (25 delegates);
- > “Anticipating Rise in Water Level and Floods and Preparing for Crisis Management” - 26 May 2020 - delivered remotely (38 delegates);
- > “Actions arising from PAPI audit” - 30 June 2020 - delivered remotely (53 delegates);
- > “Lessons learnt from the floods” - 6 October 2020 - delivered remotely (50 delegates);
- > “Taking Climate Change into Account in PAPI-SLGRI” - 1 December 2020 - delivered remotely (58 delegates).

In order to strengthen the exchange of experiences and information between members of the PAPI/SLGRI network, CEPRI has set up a platform for sharing PAPI documents (PAPI files, CCTP, conventions,

communication documents, etc.). The platform was first opened to the member communities of the PAPI/SLGRI network at the end of 2020.

Alongside this work, CEPRI has begun the creation of a PAPI database so as to monitor the preparation of PAPIs and record the actions undertaken by members of the PAPI/SLGRI network. A dashboard featuring a first monograph of the network is now available on the PAPI platform.

ENRICHING THE RESOURCE CENTRE AVAILABLE TO LOCAL AUTHORITIES

In 2020, CEPRI developed and published a document called “A Guide to Flood Crisis Management” aimed at local elected officials. It also posted 3 summary fact sheets online which featured local examples on how to prepare for crisis management.





As part of the renewal of municipal teams, the CEPRI team produced several documents to raise awareness of the prevention of flood risk: a brochure containing 10 tips on how to better prevent flooding, accompanied by a short educational video and a booklet on the benefits of joining our association; a community of local authorities promoting flood risk management. These documents were also posted on the website of the Ministry of Ecology to encourage the new local teams to get involved.

As part of the research into the appropriation of the AMC methodology by Project Managers, CEPRI was able to collect testimonials and feedback from project leaders which will feature in the new version of the AMC guide.

4 STRUCTURING A EUROPEAN NETWORK

ORGANISING A NETWORK OF EUROPEAN PARTICIPANTS SHARING GOOD PRACTICES

CEPRI published its 3rd European Newsletter on the role of climate data in developing strategies for adapting major European cities to flood risk.

CEPRI was due to take part in the International Conference entitled "Water, Megacities and Global Change" which was to be held at UNESCO in December 2020. The first part of the conference was held remotely and did not include a presentation from CEPRI, which has been postponed until January 2022.

PARTICIPATING IN ONGOING EUROPEAN PROJECTS

CEPRI was involved, as a partner, in the set up of the H2020 REBOND project.

It also took part in the INTERREG "Two Seas" POLDER2C's project observers meeting.

Since 2019, CEPRI has been a partner in the Life Artisan project whose aim is to increase resilience to climate change by providing incentives for regions to implement nature-

based solutions. Officially launched in December 2020, this project is coordinated by the French Office for Biodiversity (OFB).

The 8-year project has a total budget of EUR 16.7 million and is supported by 28 partners, including CEPRI. As part of the project, CEPRI is producing a guide on the use of nature-based solutions in France and in Europe to adapt to climate change and prevent flooding (river overflows, marine submersion, runoff). CEPRI is also the facilitator of a "water" network which brings together different organisations with an interest in the roll-out of SAFNs.

MONITORING THE WORK OF THE EUROPEAN INSTITUTIONS ON THE FLOOD DIRECTIVE AND ON PUBLIC SAFETY ISSUES

CEPRI participated in the 27th meeting of the "Flood" Working Group which was held remotely in October. It also took part in workshops on the insurance cover for natural disasters in Europe, and the vulnerability of critical infrastructure to flooding.

CEPRI attended, remotely, the 15th meeting of the "Community of Users on secure, safe and resilient society", a community of a variety of stakeholders ranging from practitioners to policy makers. Organised in parallel with the European Horizon research programme, the meeting made an appraisal of the ongoing projects and laid down the foundations for the review of the next Horizon Europe 2021-2027 programme.

5 OFFERING TRAINING ADAPTED TO THE NEEDS OF REGIONAL AUTHORITIES

CEPRI organised several training sessions as part of its 2020 training programme. To ensure business continuity, all our training sessions were held remotely in the form of webinars:

- > 14 May 2020 - "Reducing Vulnerability to Flooding";
- > 11 June 2020 - "From GEMAPI Competency to Global Flood Risk Management";
- > 29 September 2020 - "Integration of Flood Risk into Land Use Policies";
- > 20 October 2020 - webinar on runoffs (initially scheduled for 7 April but postponed due to the health crisis);
- > 19 November 2020 - "Mayors' Management of a Flood Crisis".

CEPRI also designed and facilitated two days of training for the Riom Limagne et Volcans Conurbation Community: one on "Global Flood Risk Management" and the other on «Integrating Flood Risk into Land Use Planning» aimed at elected officials and the Local Authority's technical services.

THE TEAM

5 permanent members:

Stéphanie BIDAULT
(post held since 1 February 2007)
Director

Valérie GRIFFON
(post held since 22 November 2010) Executive Assistant

Anne-Laure MOREAU
(post held since 1 October 2008)
Project Manager

Rodolphe PANNIER
(post held since 9 March 2009)
Project Manager

Maxime PANTAROTTO
(post held since 12 November 2019) Project Manager for "An Environmental Economy"

1 new member:

Guillaume TOURNADRE,
(post held since 20 January 2020)
Project Manager for "Flood Risk Prevention Policies"

1 CIFRE PhD STUDENT:

Solène LERAY
PhD student 3-year fixed-term contract from 08/01/2018 to 07/01/2021

1 work placement as part of the Life Artisan project

Loïck RAUSCHER LAURANCEAU
from 02/03/2020 to 14/08/2020
on the topic of "nature-based solutions to prevent flooding hazards".



FINANCIAL REPORT 2020

Income (€K)	2020	2019	2018
Members' contributions	131	131,5	131
Business grants	379	372,5	382
Network membership	56	50,7	51
Exceptional income			
Transfer of charges	14	14	14
Training services	26	32,7	30
Dedicated Fund N-1	10	0	29
Total	616	601,5	637

Expenses (€K)	2020	2019	2018
Salaries and charges	468	469	526
External services	17	20	21
Publications, brochures	39	31	18
Rentals	21	21	20,5
Travel expenses	4	23	25,5
Conferences and seminars	0	2	1
Hospitality expenses	1	21,5	31,5
Miscellaneous	3	3	3
Dedicated Fund N	+50	+10	0
Total	603	600,5	646,5

	2020	2019	2018
Operating result	+13	+0,8	-9
Current result	+13,6	+1,7	-8,1
SURPLUS OR DEFICIT (€K)	+13,6	+1,5	-8,4





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