



ANNUAL REPORT

2015

CEPRI
Centre Européen de
Prévention du Risque d'Inondation

Les collectivités en Europe pour la prévention du risque d'inondation
Communities and local authorities in Europe preventing flood risk

THE PRESIDENT'S EDITORIAL



2015 was an eventful year internationally: the 2015 Paris climate conference took place between November 30 and December 11 at Le Bourget, France. Each year, participants of this conference meet to decide on which measures to implement for limiting global warming. On December 12, the delegates reached a final draft agreement which was then unanimously adopted by the participants. This text sets the objective of limiting global warming by less than 2°C, by aiming for levels of 1.5°C. The agreement will enter into force in 2020. In this context, the CEPRI contributed to the discussion by publishing and distributing an informative brochure on the impact of climate change on flood risk, inviting local authority representatives to confront this question without waiting for further effects of global warming, particularly on our French

coasts and in overseas territories.

At the same time, the international context was favourable for increased natural risk planning, and more specifically for flooding. The Sendai conference, which was held in Japan in March, allowed a new framework to be adopted for reducing disaster risks. Seven measurable goals to attain by 2030 were set, with an emphasis on four priority actions including investment in the countries' disaster risk reduction for strengthening their resilience and improving preparations for an effective response: "Build back better."

2015 remains another pivotal year, a year in which the Flooding Directive was employed in many regions of France. The flood risk management plans (PGRI) were completed at the end of the year and local flood risk management strategies (SLGRI) were developed in each of the 122 high risk territories (TRI) identified in 2012. In parallel, 2015 was also a decisive year for the implementation of the new "management of aquatic zones and flood prevention" jurisdiction (GEMAPI) when its implementation date was postponed to the 1st of January 2018, which did not prevent some from pre-emptively adopting this jurisdiction.

The initiatives which originated in 2014 were brought to completion in 2015. We saw the Ministry of Ecology launch an international architecture contest. Its aim was to promote innovative urban and architectural design which integrated more successful flood risk planning in urban development or requalification, and always with the same objective: reducing vulnerability. In the same vein, the findings of the national workshop on the evolving at-risk regions allowed for a different approach when considering the future of the concerned regions. For over a year, a top design team (of multidisciplinary experts) was made available to elected officials and state services at several pilot sites - including Saint-Pierre-Des-Corps - and worked on the construction of a regional project considering potential risks.

In their capacity as a nationwide laboratory, they have helped develop the intervention principles and partnership modes for assisting both local and national planning. One of the main conclusions of this national workshop is the need to address a region's requirements with a specific project as opposed to a general rule.

Throughout the year CEPRI has continued its job of mobilising elected officials and supporting local communities with their daily inquiries and innovative practices for meeting the challenges of today and tomorrow.

In France, more than 17 million inhabitants and 9 million jobs are potentially exposed to waterway flooding, with 1.4 million inhabitants and 850,000 jobs exposed to coastal flooding. There are therefore nearly 25 000 municipalities which are subject to varying degrees of flood risk in the lowlands, on the coast, in mountaineers territories, in both rural and urban areas. Both these local communities and the state share the same objectives as defined by the national flood risk management strategy: ensuring the inhabitants' safety, reducing property damage, a faster return to normal, and all this from the perspective of maintaining the regions' attractiveness. It was in this light that the dynamic of CEPRI's work was developed in 2015. Anticipation is vital, adaptation is capital, and not exacerbating is fundamental!

France is a floodable land, which can not be stressed enough: one inhabitant in 4 and 1 in 3 jobs is concerned. The risk of flooding is indisputably the greatest natural risk in France! The human and economic toll of events in 2015 has sadly reminded us once again. Flood risk management policies have been developed and proved to be effective up to a point, but still have room for improvement that we must implement.

In a context that is both difficult and tense, the CEPRI pursues its mission and its essential tasks. It includes new members from across France, produces new publications and provides expertise on flood risk through the work of its task force. Constantly developing in France and across Europe with one major preoccupation: always remaining at the service of its members and the public interest, by providing cutting-edge strategic thinking on this crucial subject for the future of our regions.

Marie-France Beaufigli,
President of CEPRI,
Senator of Indre-et-Loire,
Mayor of Saint-Pierre-des-Corps

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2015, in several notable events

The CEPRI follow with interest the implementation of all the tools related to the transposition of the European flooding directive into French law: the adoption of the flood risk management plans (PGRI) in December 2015.

The flood risk management plans set important six-year targets for all French basins for reducing the impact of floods on human life and health, the environment, cultural heritage and the economy. They offer a framework for local policies of flood risk management by combining the reduction of vulnerability, risk management, crisis and risk culture management. These projects were drafted by State services and submitted to two public consultations from December 19, 2014 to June 18, 2015: firstly, a six month public consultation, concurrent with those for the SDAGE projects and the Measurement Program and Action Plan for the marine environment - notifications were open until June 18, 2015 - and, secondly, a four month consultation for notifications by participants involved in the development of the PGRI and the first elements of local strategies, the concerned prefects, the administrative commission of the basin, the basin committee, the SCoT holding organisations, coastal area and lake shore conservation bodies, regional councils, county councils, public regional basin institutions, consular chambers, local water commissions, economic, social and environmental regional councils, regional natural parks management bodies; deliberations or notifications were open until late April-early May 2015.

In this context, the CEPRI team analysed 6 PGRI of the 12 submitted for consultation and proposed a synthesis of some elements of the comparative analysis as well as an Annex featuring the regulatory framework and the PGRI implementation, providing CEPRI regional representative members with a clear positioning.

The CEPRI launches a network of local flood risk management strategy holders in close partnership with the MEEM.

On November 5, 2014, in collaboration with the Directorate General of Risk Prevention (DGPR) of the Ministry of Ecology, Sustainable Development and Energy (MEDDE), the CEPRI organise a seminar entitled "*Which local strategies for flood risk?*". The event brought together over 250 participants representing both local authorities and state services. This was an opportunity to clearly demonstrate the need for exchanging and sharing information on this subject, enabling future local strategies to emerge by the end of 2016.

In 2015, the CEPRI then proposed that this approach is continued and widened in the context of a partnership with the MMSE, with the aim of structuring a Resource Centre for the SLGRI holding organisations. The CEPRI profits from its experience as host of an exchange network for PAPI holding organisations, which now has more than forty members.

A Resource Centre for SLGRI holders

- In connection with the Ministry of Ecology's risk prevention general management, the CEPRI organises 3-4 days of discussion per year on topics related to the SLGRI implementation (defining a flood management strategy, developing a vulnerability diagnosis, reducing regional vulnerability, conducting a multi-criteria analysis,...). The CEPRI ensures the organisation and animation of these events, sometimes dealing with specific themes or in partnership with other local participants who have a particular skill.
- The CEPRI offers the benefits of its existing website, with free access to certain elements for stimulating and guiding processes: publication of guides, reports... The CEPRI also proposes the creation of an accessible intranet for SLGRI holders containing more confidential information which it will continually update.

- The CEPRI is available for SLGRI holders who request advice concerning methodology, either for developing future local strategies or the operational implementation of these strategies.

The CEPRI monitors the implementation of the GEMAPI jurisdiction which is part of the exchanges and discussions concerning the regulations of implementation: decrees and orders.

As part of the MAPTAM law's implementation and in particular the GEMAPI jurisdiction created by this law, the CEPRI has carefully monitored the elaboration of the "dyke decrees" (Regulations concerning the effectiveness and security of river flooding and coastal flooding prevention, especially dykes).

Alongside other national associations of local authorities and several works managers, the CEPRI has actively participated in the working group meetings initiated by the MEDDE/ DGPR. Initiated during work assignments on April 17, May 6, June and July 8, 2014, a draft text was set in September 2014 and submitted for public consultation before being finalised on May 12, 2015.

Given the involvement of CEPRI at these meetings, a significant number of demands forwarded by our organisation were taken into account by the State. However, these texts still raise many questions regarding the implementation of the GEMAPI jurisdiction in the field. Discussions continue in 2016 with the question of the decree's implementation into the contents of the hazard studies.



The CEPRI encourages the integration of flood risks into the planning process by participating in the competition launched by the MEEM, at the national workshop seminar on “evolving at-risk regions” and on the SCoT selection board as part of a project tender launched by the Ministry of Ecology.

- We can now observe the beginning of a trend towards integrating flood risks into developmental planning for regions located in a flood zone, through key events that punctuated the year 2015:
- the restitution of the Atelier National to the evolving at-risk regions,
 - monitoring and participation as a member of the steering committee, a member of the expert committee and jury member of the major prize for development in authorised floodable land, launched by the Minister of Ecology,
 - participation in the selection jury for the “*Improving coastal risk analysis in SCoT*” public tender organised by the Ministry of Ecology, Sustainable Development and Energy and the Ministry of Housing and Regional Equality held at the very end of 2014,
 - Support requests from certain cities for integrating flood risk into their planning policies (examples being the Urban Community of Bordeaux, the towns of Orleans and Blois,...).

The CEPRI accentuates its development with the expansion of its European network.

The CEPRI saw many opportunities to partner European projects and was approached by different project developers (Horizon 2020, Interreg). This had many implications for the events organised around European programs (current and future): extended networks of contacts, the Franco-Dutch seminar, Starflood,... all positive illustrations of CEPRI’s Europe-wide development. In parallel, the CEPRI joined the “Working Group F” within the European Commission, a group for sharing experiences amongst all Member States representatives, and in particular concerning the implementation of the Flood Directive. Moreover, the CEPRI participated in the small and medium business selection jury (small or medium businesses providing services or innovative products in the natural hazards management field) for the “Damir Cemerin” prize, and in the European forum for disaster risk reduction (EFDRR), a UN platform for the European continent to reduce disaster risk, and with France holding the presidency in 2015.

The CEPRI expands its collection of publications with new releases in 2015.

To enrich the collection of CEPRI publications, new guides and reports have been edited to supplement the already numerous publications from recent years:

- a guide to runoff: “*Managing flooding caused by rain runoff*”, awareness guide,
- a report on the planning principles: “*How can urban renewal operations be capitalised for reducing the vulnerability of floodable land from flood risks?*” technical planning principles,
- A brochure on the impact of climate change on flood risk: “*Is flood risk increasing in France and Europe?*”. This brochure has been produced both in French and in English.
- A collaboration with the Construction Quality Agency (AQC) resulting in a brochure for regional planning professionals on the theme “*Constructions in flood zones. Design and adaptation to the site*” which complements CEPRI’s production work.



Media coverage

CEPRI’s contributions to the issue of flood risk are relayed by the press*, with some concrete examples.

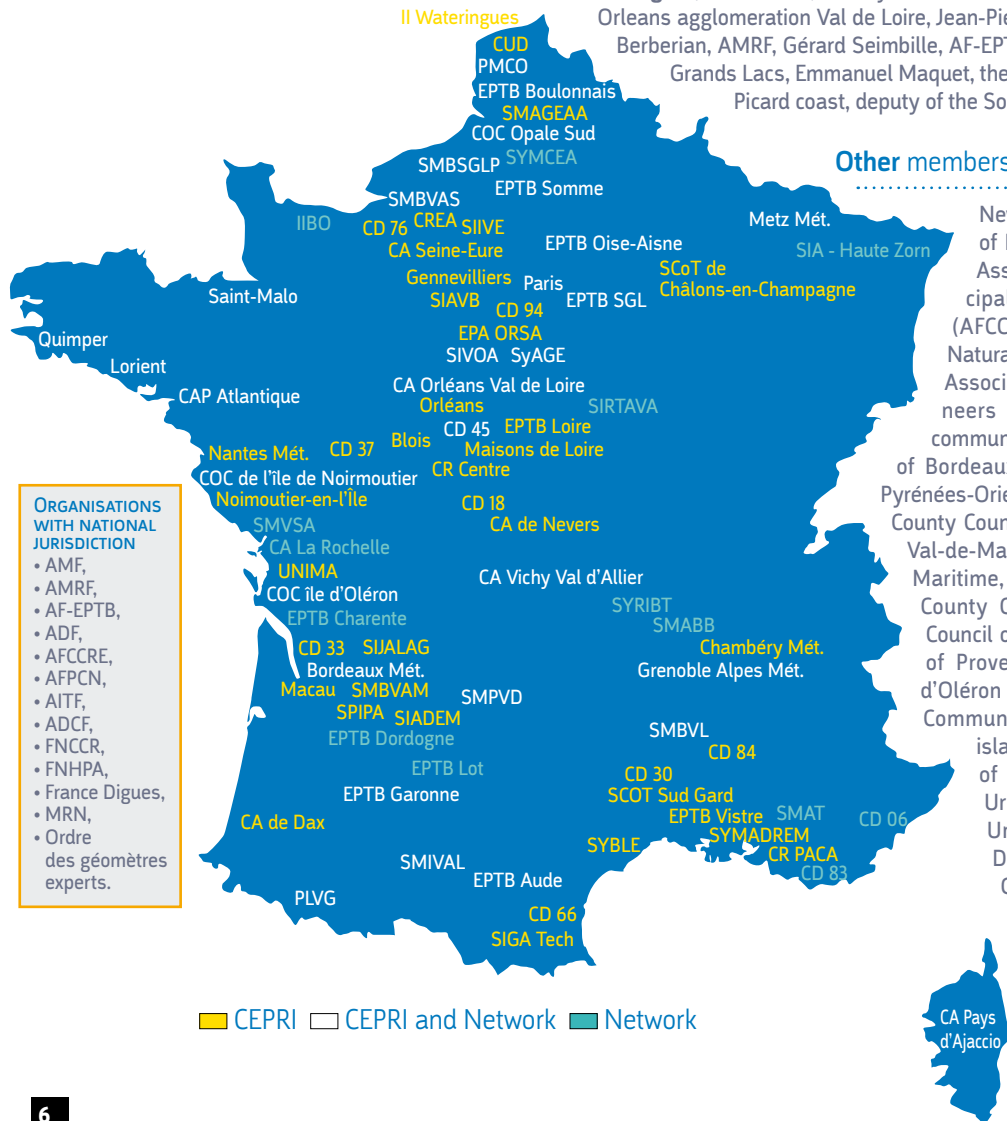
* More on www.cepri.net > Press Reviews section

- **The Gazette des Communes, January 26, 2015**
“*The GEMAPI, new jurisdiction where the risks are high*”
- **FNAU publication , February 16, 2015**
Special subject: “*Living with water*”
- **Intercommunalités, September 2015**
“*GEMAPI: preparing the responsibility of jurisdiction*”
- **Le Parisien, October 6, 2015**
“*Prevention must become a priority*”
- **France TV news, October 7, 2015**
“*Flooding in the south, there is a growing deficit in our country’s risk culture*”
- **La Gazette des communes, October 7, 2015,**
Flood prevention: “*Insufficient resources to meet the challenges*”
- **The Construction Quality Agency review (AQC), September/October 2015**
“*Building in a flood zone*”

COMPOSITION of the association

The Board of Directors on December 31, 2015

- **President**, Marie-France Beauvils, AMF, Senator of Indre-et-Loire
- **Vice-President**, Stephanie Anton, Orleans
- **Treasurer**, Alain Chambard, SyAGE
- **Secretary-General**, Gerard Malbo, County Council of Loiret
- **Managers**, Eric Loizon, County Council of Indre-et-Loire, Christian Braux, Orleans agglomeration Val de Loire, Jean-Pierre Le Scornet, EP Loire, Vanik Berberian, AMRF, Gérard Seimille, AF-EPTB, David Belliard, EPTB Seine Grands Lacs, Emmanuel Maquet, the Joint Union of the Somme bay Picard coast, deputy of the Somme



Other members

Nevers agglomeration, Assembly of French counties (ADF), French Association of the Council of Municipalities and Regions of Europe (AFCCRE), French Association for Natural Disaster Prevention (AFPCN), Association of French Regional Engineers (AITF), Assembly of French communes (ADCF), Urban Community of Bordeaux, the County Council of the Pyrénées-Orientales, County Council of Cher, County Council of Gard, County Council of Val-de-Marne, County Council of Seine-Maritime, County Council of Vaucluse, County Council of Gironde, Regional Council of the Centre, Regional Council of Provence Alpes-Côte d'Azur, l'île d'Oléron Community of municipalities, Community of municipalities of the island of Noirmoutier, Community of municipalities of Opal Sud, Urban community of Seine-Eure, Urban community of Greater Dax, Urban community of the Guérande Atlantic peninsula, Urban Community of Dunkirk, Chambéry Urban Community, Oise-Aisne Coalition, Orly-Rungis Seine Upstream

Public Development Association (EPA ORSA), Regional public establishment of the Vistre basin, National Federation of licensing and governing authorities (FNCCR), National Federation of the open-air hotel industry (FNHPA), Federation of Loire housing in the Centre Region, France Dykes, Inter-county Institution of Draining Syndicates, Lorient Agglomeration, Natural hazards mission (MNR), Metz Urban Community, Rouen Normandy Urban Community (CREA), Nantes Urban Community, Order of expert surveyors, Metropolitan division Opal Coast, Joint Union of the Austreberthe and Saffimbec watershed (SMBVAS), Joint Union of aquatic zones and rivers (SMMAR), Joint Union for planning and management of Boulogne waters (SYMSAGEB), Joint Union of South Gard SCoT, Joint interregional Union of delta dike planning (SYMADREM), Joint Union of Artigue-Maqueline watershed, Joint Union for the study of the Garonne (SMEAG), Joint Union of the Orge valley (SIVOA), Joint Union for the development and management of Aa water (SMAGEAA), Joint Union of the Lez catchment (SMBVL), Joint Union of the Lourdes valleys of Gaves, Joint Union for the planning and enhancement of the Somme basin (AMEVA), Inter-county Joint Union of the Leze valley (SMIVAL) Joint Union of the Bièvre watershed (SIAVB), Joint Union of Dordogne valley counties (SMPVD), SCoT Chalons, Inter-county Union of sanitation and defence of the Marmande (SIADEM), Inter-county and inter-departmental Union of the Epte valley (SIVJE), Inter-county Union of Jalles, of Lande to Garonne (SIJALAG), Single-purpose Union for the management and development of the Tech (SIGA Tech), Union for protection from flooding of the peninsula of Ambès (SPIPA), Union of the Lez basin (SYBLE), Union for the marshes of the Charente Maritime (UNIMA), City of Macau, City of Paris, City of Quimper, Town of Saint-Malo, City of Blois, City of Noirmoutier-en-l'Île, City of Gennevilliers, Vichy Valley of Allier.

Association events in 2015

- 3 board meetings: March 10, June 4 and September 29.
- 3 general committee meetings: February 18, May 22 and November 17.
- 1 general meeting: July 1, followed by an afternoon of reflection on the theme: "What public funding is required for flood risk management? What funding options can be sought to meet all regulatory requirements?"

OPERATION of the association

A team with multiple skills

The CEPRI began the year with a team of eight people for managing 2015's program of activities: a director, a scientific and technical manager, a directorate assistant and five multidisciplinary project managers.

The CEPRI encompasses diverse and complementary skills which provide a comprehensive and transversal approach to the topics to be dealt with: regulatory, legal and administrative aspects, governance and project management, vulnerability of people and property, knowledge of risks, strategy, network economics and activity, communication, training, and planning.

New members and a constantly developing PAPI/SLGRI network

The CEPRI welcomed five members in 2015: the Federation of Loire housing, the Order of expert surveyors, Metz Urban Community, The Inter-county & Interdepartmental Union of the Epte Valley (SIIVE) and the Union of the Lez basin (SYBLE).

In parallel, the CEPRI is developing a network of PAPI and SLGRI holders which includes a place for discussion, exchanging and sharing information, documents and good practices related to flood management. The goal is to provide resources and methodological support to project managers during the various stages of their project, from the development of their PAPI candidate's file to the concrete implementation of the program actions. Since autumn, CEPRI has supplemented their support by helping local strategy planners in flood risk management to construct their SLGRI by the end of 2016.

To do this, members of the PAPI-SLGRI network have the opportunity to interact with the CEPRI team by phone or email to discuss the difficulties they may encounter in the development and

implementation of their PAPI-SLGRI. If needs be, they can also be put in touch with other project managers who are facing the same problems.

In 2015 the CEPRI organised and hosted **4 days of discussion:**

- March 12, 2015, on the awareness of the risk of runoff and on flood risk management plans (PGRI);
- June 2, 2015, on the "Management of aquatic zones and flood prevention" jurisdiction (GEMAPI) in the law on the "modernisation of regional public action and metropolitan affirmation",
- October 16, 2015, on the launch of the expanded SLGRI holder network in the presence of State representatives,
- December 15, on the construction of a regional diagnosis from an SLGRI perspective.

The aim of these events is to offer PAPI-SLGRI project managers an opportunity to discuss, in a friendly environment, the actions they are implementing in their region, describing the factors contributing to their success and the difficulties met. In their turn, the CEPRI provides methodological elements that could help to guide participants through the implementation of their project, as well as examples of good practices undertaken elsewhere in France or in Europe.

The CEPRI regularly invites state service agents to participate in this type of exchange. Representatives of the Ministry of Ecology, the Directorate general of risk prevention and the Directorate of development, housing and nature, the General commission for sustainable development, the Directorate of civil security of the Ministry of the Interior or the Scientific and technical centre for building were able to contribute to discussions, meet local participants and answer questions from the public.

Members of the PAPI-SLGRI network have access to a reserved area on the CEPRI website www.cepri.net where they can download a sum-

mary of these events. This network, consisting of 40 members in 2014, was enlarged in 2015 with 8 additional members: Lot valley EPTB, SYMCEA, Grenoble Urban Community, Toulouse Urban Community, Bordeaux Urban Community, SYMBHI, Ajaccio town and the Community of Ajaccio counties.

Participation in numerous training courses

Thanks to its role as an instructor in numerous training courses, the CEPRI has been able to provide two courses this year: one on risk awareness with agents of Orleans's municipal services, the other with Loiret DDT agents on the awareness of operational continuity.

The CEPRI also contributed to several training courses for local authorities or government services (training on behalf of the Directorate General of civil security and the Department of the Interior's crisis management, IRSTEA/IFORE training on cost benefit analysis, training of agents from the Directorate of the Loiret region on flood risk awareness and the implementation of business continuity plan,...).





Real international perspectives

The involvement of CEPRI on the European and international scene was confirmed this year with their participation in the European Commission's "Working Group F" (composed of institutional representatives of 28 members of the European Union and established for ensuring the correct implementation of the flood Directive, in coordination with the objectives of the framework Directive on water), alongside the French State and following CEPRI's involvement with the European Starflood project.

The activity of the Experts Committee

CEPRI's Experts Committee (established in 2012) is a consultative body which examines the technical and scientific orientations proposed by an organisation. Based on the competence of leading specialists in flood risk management, it provides confirmed expertise ensuring the high quality of CEPRI's criticism.

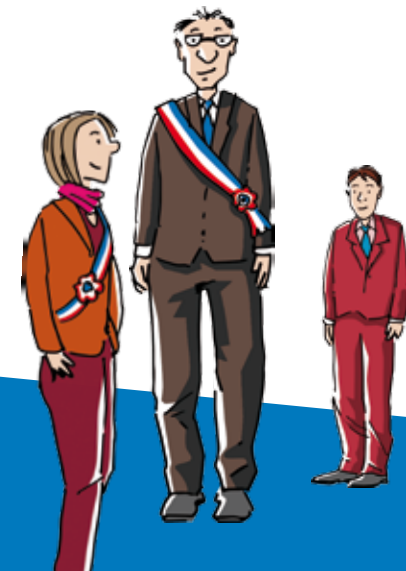
The Committee meets two to three times a year on subjects approved by the Board of Directors. The session is administered by the CEPRI team. The CEPRI Committee of Experts currently consists of 14 members.

	Current position
Emmanuel Garnier	Lecturer in Modern History at the University of Caen Teacher researcher at CRHQ Visiting Professor at the University of Cambridge (Clare Hall College)
Frédéric Grelot	Researcher-Economist at IRSTEA
Karine Weiss	Professor of Social and Environmental Psychology at the University of Nimes
Jean-Pierre Valette	Architect
Freddy Vinet	Professor of Geography at the University of Montpellier III
Jean-Marc Février	Lawyer Professor of Public Law at the University of Perpignan
Nicolas-Gérard Camphuis	Director of Evaluation and Planning at the Loire Waters Agency
Julien Langumier	Doctor of Ethnology
André Bachoc	Former head of the Central Service of Hydrometeorology and support for Flood Forecasting (SCHAPI)
Éric Martin	Director of the Var county fire and rescue service
David Goutx	Director of Météo-France interregional organisation
Bruno Ledoux	Consultant in the field of flood risk prevention
Serge Tisseron	Psychiatrist, Doctor of Psychology and psychoanalyst, researcher
Magali Reghezza	Lecturer at the Ecole Normale Supérieure

In 2015 the CEPRI organised and hosted 2 working days with its Committee of Experts:

- May 28, 2015, on the theme: "What can be done about the issue of climate change?"
- October 12, 2015, on the theme: "Perception, knowledge, awareness, flood risk culture. Which measures can change the situation?"

These meetings were summarised and the results made available to all our members.



January

- **8:** flood commission of the Seine Normandy basin committee - Paris
- **13:** Resilient neighbourhoods project meeting, Cerema - Orleans
- **19 :** Resilient neighbourhoods WG – DRIE Île-deFrance – Paris
- **27-28:** Geohazard conference - Montpellier
- **30:** Agriculture and natural zone WG - MEEM Paris

February

- **3:** Water and Climate conference, House of Latin America - Paris
- **4:** Funding prioritisation WG - MEEM Paris + Loire GEMAPI EPTB conference - Orleans
- **5:** presentations during the Study morning "A different city - Risk spatiality in the city", CAUE 77 - Marne-la-Vale
- **6:** Meeting on GEMAPI with national associations of local authorities - Paris
- **10:** COTECH PAPI planning meeting of the Seine in Troyes - Troyes
- **12:** Resilient neighbourhood WG - DRIE Île-deFrance - Paris
- **12:** Joint flood commission - Paris
- **13:** Vulnerability referential WG - MEEM Paris
- **18:** CEPRI committee - Paris
- **19:** Risk culture WG - MEEM Paris
- **24:** Dike regulation WG - MEEM Paris

March

- **4:** National observatory of natural hazards seminar- FFSA, Paris
- **5:** COPTATI – Paris
- **9:** GEMAPI related meeting with national associations of local authorities - Paris
- **10:** CEPRI board meeting - Paris + Resilient neighbourhoods WG DRIEE - Paris
- **12:** Loire housing, public awareness presentation - Blois, and PAPI network discussion day - Paris
- **17:** NW Europe Interregional Laboratory - Lille
- **18:** Seine plan Technical Committee - Paris
- **19:** ACB-AMC WG - Paris
- **23 et 24:** Water conference – Brussels
- **24:** PACT federation meeting - Paris
- **30:** International conference "educating and training for climate change" - Paris
- **31:** Steering Committee for the national conference of natural hazards - Paris

April

- **2:** National Starflood workshop - Paris
- **7:** SCHAPI CODOST – Paris
- **8:** Restitution of national workshop seminar "Evolving regions at risk" – Paris
- **8:** Intervention COBATY seminar - Châlon-sur-Saône
- **9:** Joint flood commission - Paris
- **15:** Civil Security parliamentary meetings - Paris national assembly and initial conditions WG - MEEM Paris
- **16:** Meeting on GEMAPI with national associations of local authorities - Paris and Economic Committee SLGRI Île-de-France – DRIE Paris
- **21:** Dikes WG – MEEM Paris
- **22:** Integration of flood risk in the PLU WG - MEEM Paris
- **22:** Meeting on GEMAPI with national associations of local authorities/MEEM - Paris
- **23:** COPTATI – Paris
- **24:** Training Day "Flood Risk: What are tomorrow's challenges?" FNE – Orleans

May

- **4, 5:** DRIVER and COU conferences (European projects on the theme of civil security) - Brussels
- **12:** French dikes technical committee - Lyon
- **13:** SEQUANA "support for the population" WG - Paris and Agriculture and natural zones WG - MEEM Paris
- **20:** Funding prioritisation WG - MEEM Paris
- **20:** Loire housing; partner presentation showing the progress of the educational project on flood risk in the Centre region Val de Loire – Orleans
- **22:** CEPRI committee - Orleans
- **26:** Hearing by the Court of Auditors - Paris
- **27-28:** SHF-AFEPTB conference – Paris
- **28:** Committee of Experts - AMF Paris + participation during the Epte Valley inter-county and interdepartmental Union annual general meeting (SIVE)
- **29:** Technical Committee, planning prize - Paris

June

- **1:** OECD hearing - Paris
- **2:** PAPI network discussion day - Paris and flood risk training for Prefect staff (Interior Ministry, DGSCGC) - Lognes
- **1:** Resilient neighbourhoods project meeting CEREMA – Orleans
- **4:** CEPRI board meeting - Paris
- **4:** Initial conditions WG - MEEM Paris and ASTTE congress - Montauban
- **9:** Dikes WG - MEEM Paris + technical day devoted to the consideration of risks in urban planning documents CEREMA - Aix-en-Provence
- **11:** Vulnerability referential WG - MEEM Paris
- **18:** Hearing by the Court of Auditors - Paris
- **18:** Flash flooding WG - SCHAPI Paris
- **24:** Jury major development prize - Paris and initial conditions WG - MEEM Paris
- **25:** GT AMC – MEEM Paris and "Forecasting rainfall" workshop – Brussels
- **30:** National steering committee for natural hazards - Marseilles + Resilient neighbourhoods WG DRIEE - Paris

2015 PARTICIPATION in numerous events



July

- **1:** CEPRI general meeting - Paris
- **2:** SCHAPI CODOST – Toulouse
- **7-10:** Unesco conference (our common Future under climate change) – Paris
- **8:** GEMAPI conference - Paris and SLGRI economic committee Île-de-France - DRIE Paris
- **9:** Joint flood commission - Paris

September

- **7:** Discussion day - Oise valley planning agency - Orleans
- **14:** SEQUANA WG “Flood recession” - Paris
- **15:** PAPI III Specifications WG – MEEM Paris
- **17 and 18:** CEPRI relocation of premises - Orleans and INET conference - Dunkirk
- **23:** Jury “damir cemerin” prize – Paris
- **24:** Funding prioritisation WG - MEEM Paris and coastal AMC WG – MEEM Paris
- **25:** Panel discussion: “Floodability as a key factor in urban planning,” CGEDD - Paris and Vulnerability referential WG - MEEM Paris
- **29:** CEPRI board meeting - Paris
- **30:** Seine plan Technical Committee - Paris

October

- **1:** National ATTF Congress - “Prevention and management of natural risks” - Saumur
- **7:** Round table on the Ardoines project - House of Architecture Île-de-France - Paris
- **12:** Committee of experts - Paris
- **13:** ACB-AMC WG - Paris
- **13:** Steering Committee of the national conference of natural hazards - Paris and “Water and Climate Change” seminar - Saint Malo
- **15:** Risk culture WG - MEEM Paris
- **16:** SLGRI discussion day – Paris
- **21-23:** Working Group F – Madrid
- **29:** Meeting between the SCoT Federation, the MEDDE (DHUP and DGPR), the CEPRI and the “SCoT and flood risk” basin delegations, DRIE – Paris

November

- **2:** conference organised by the AQC “Natural hazards and construction: actions for avoiding consequences”, Batimat - Paris
- **3:** Participation in the WG “What land has the potential for housing construction?”, regional property observatory for the Île-de-France - Paris
- **4:** Cop 21 departmental conference - Toulouse
- **5:** Joint flood commission - Paris
- **6:** Dikes WG – MEEM Paris and French dikes technical committee – Paris
- **13:** “Consideration of flood risk in planning documents within the context of a proposed PAPI for the Argens and tributaries” WG, Var department - Draguignan
- **17:** 2nd Starflood panel of experts
- **17:** CEPRI committee - Orleans
- **19:** Funding prioritisation WG - MEEM Paris
- **19:** Expertise, opinion and public decision AFPCN conference - Paris and Loire expert planning WG - Orleans
- **30:** Agriculture and natural zone WG - MEEM Paris
- **25:** PAPI III Specifications WG – MEEM Paris
- **26:** Toulouse urban design conference - Toulouse
- **27:** Technical Day “Dyke management concurrent with GEMAPI” Rhone Alps river association - Saint-Donat-sur-l’Herbasse
- **30:** Vulnerability referential WG - MEEM Paris



December

- **2:** Risk culture WG - MEEM Paris
- **4:** Initial conditions WG - MEEM Paris
- **11:** PAPI III Specifications WG – MEEM Paris
- **15:** PAPI network/SLGRI discussion day – Paris
- **16:** Blue Plan monitoring committee - Créteil
- **16:** 5 years after Xynthia conference, “How to manage and prevent large-scale risks?” - Paris
- **16:** Steering Committee for the national conference of natural hazards - Paris
- **17:** Joint flood commission - Paris
- **18:** Loire expert planning WG - Orleans

Represent communities nationally

Mobilise the 2015 tools for managing flood risk

Assist in the understanding of texts and methods to contribute to the greater involvement of local authorities in all ongoing processes, particularly in the implementation of the new aquatic management and flood prevention jurisdiction (GEMAPI). Active participation in all meetings organised by the MEDDE related to the “dyke decrees” (published on 12.05.2015) and the hazard studies decree (work in progress) in order to defend the local authorities who work as managers.

Ensure that local authorities are involved as primary participants during the implementation of flood Directive measures (local strategy,... PGRI).

Produce information to help understand the importance of current approaches and the necessity of engaging with them, for the national associations of local authorities.

Production of a summary of the contents of the flood risk management plans (PGRI) for inviting local authorities to respond during the consultation phase of these documents (summer 2015). Participation in the numerous business meetings with the national associations of local authorities (AMF, ADCF, ADF...) and members of the Minister of the Environment's cabinet in the first quarter of 2015, as part of the GEMAPI jurisdiction implementation. These meetings allowed the establishment of jurisdiction to be postponed until January 1, 2018 (NOTRe law) and the request that specific locations, especially for protective works, are provided in the context of support missions set up by the Prefects who coordinate the basin in order to facilitate the establishment of jurisdiction.

Provide expertise to the Joint flood commission (CMI) and the Policy Board for the prevention of major natural hazards (COPRNM)

Provide support to CEPRI representatives and, on request, to other national associations of local authorities on policy issues and on project labelling within the CMI and the COPRNM.

Actively contribute to the debate on developments, regulatory or otherwise, regarding the politics of flood risk management via participation in national working groups (vulnerability referential...) and national consultations.

The CEPRI monitors all national working groups resulting from the national management flood risk plan that address the following topics: funding prioritisation, initial conditions, natural and agricultural zones, risk culture, vulnerability referential. For the latter, the CEPRI is responsible for co-piloting the group alongside representatives of the MMSE.

In the last quarter of 2015, the CEPRI also participated in the working group for the drafting of PAPI III specifications, and to enrich the debate mobilised the network to classify the expectations of current PAPI holders.

Finally, CEPRI participated alongside its representatives at all national governing meetings such as the Joint flood commission (CMI), the Policy Board for the prevention of natural risks (COPRNM) and the Referral board of the Central hydrometeorological and flood prevision support service (SCHAPI).

Innovate by developing new tools: adaptations for living in flood zones along rivers and coastlines

Improving knowledge

Throughout 2015, the CEPRI continued to improve its knowledge of flood risk prevention. This resulted in a series of concrete actions:

- improving the quantification of damages to the regions' assets,
- continuing work on the economic evaluation of the reduction of vulnerability for housing affected by flooding, including the determination of profitability thresholds of measures,
- initiation of works for identifying damage to health facilities,

- improving knowledge about damage to cultural heritage,
- monitoring the deployment of the multi-criteria analysis methodology (AMC).

Since 2008 the CEPRI has been a member of the National ACB/AMC working group; in 2015 it participated in the working group on improving damage curves, ACB feedback, the debate on a coastal AMC, the use of claims data; the CEPRI also participated as an instructor for the IFFORE/AgroParisTech/IRSTEA training course issued with the ACB/AMC for State services, consulting firms and local authorities.

It also accompanied the city of Bordeaux in the utilisation of the AMC results and their communication to the representatives.

Raise awareness and participate in encouraging appropriate behaviour amongst the population

Evaluating the effectiveness of awareness tools: feedback (REX), analysis and recommendations.

EDRRIS, a project evaluating the regulatory measures for raising public awareness of flood risk was able to be deployed in 2015 in the city of Orleans region, following work undertaken by CEPRI since 2009 on the issues of public information and behavioural adaptation. 32 individual interviews were conducted in total, with the interesting preliminary results regarding the impact of these measures in part contradicting the accepted ideas. To allow for a degree of representativeness at the national level the evaluation will also be conducted in Arles, where the relatively recent events and type of flood phenomena differ from those in Orleans and could produce results which complement those obtained previously. This project is conducted in cooperation with a psychologist who is involved in the drafting of questionnaires and interviews and in the analysis of the study results.

ACTIVITIES in 2015

The 2015 program of activities was focused on four areas:

- representing local authorities nationally, alongside other national associations of local authorities;
- innovating and developing new tools for local authorities;
- supporting local authority projects during the implementation of local policies;
- structuring a European network.



Sustainable planning while adapting regions to climate change

Contributing to the debate on the creation of networks that are less vulnerable to flooding: through the publication of a guide for local authorities proposing ways to increase their understanding of the vulnerability of networks, about how to “make do” in the short term and how to reduce vulnerability in the long term. In this way, the CEPRI has recorded the experiences of public and private participants, operators and users in order to provide concrete examples in its analysis. With this new guide, the CEPRI identifies technical, organisational and strategic challenges based on three approaches: identifying the vulnerability of networks, learning to reduce this vulnerability long term, knowing how to cope in the short term. This new publication is aimed at both network managers and their users. **Summary sheets have been included for dealing** with each type of network: electricity, gas, fuel, urban heating, telecommunications, drinking water, sanitation, waste management, rail network and urban public transport. The guide was developed during 2015 and distributed in the first few months of 2016.

Continue to highlight the issue of correct runoff management in order to reduce the associated flood risk, including during public events (PAPI day on this theme on March 12, 2015, ASTEE Congress in Montauban June 4, 2015), or with specific participants who have requested information (PACT Federation, 27 March 2015).

Propose elements for transcribing the flood zone design principles in the PLU.

This work is based on bibliographic resources as well as the PLU and PLUi analyses of eight municipalities and EPCIs. Looking further than an approach that is solely based on the PLU tool, it aims to provide ways of integrating the six design principles developed in the report published in 2015 to create a PLU/PPR “winning combination”. This work is currently being completed and should result in publication during 2016.

Develop a methodology to try to answer the question “Who profits and how from proposing urban renewal projects adapted to flood risk?”. In partnership with the Île-de-France DRIEE, this project aims to supplement all the other CEPRI proposals which promote the implementation of urban renewal which is adapted to flood risk in critical regions. Beyond this main issue, the project aims to provide answers to the following questions: are urban adaptations to flood risk profitable? For who? What lessons can we learn from this cost analysis about the distribution of additional costs associated with adaptations and flood risk management policies in general?

This work is based on exchanges with operational urban planners and the analysis of renewal projects in flood zones.

It will be completed in late 2016. These investigations are conducted in the broader framework of the implementation of a working group led by the Île-de-France DRIEE on the theme of “resilient neighbourhoods”, which also involves the CEPRI. Publication of a brochure developed in partnership with the Construction Quality Agency (AQC) on “*Constructions in flood prone areas, design and adaptation to the site*”, designed to raise aware-

ness of flood risk amongst all construction and renewal professionals and to encourage them to consider these risks in their activities.

The CEPRI also participated in setting up and running the “Development prize for flood-prone constructible land” (GPATIC 2015) launched by the Minister for Ecology, by its representation in the steering committee, the experts committee and the Grand prize jury.

Alongside this work, the CEPRI also endeavoured to practically implement the resulting urban planning ideas in its participation alongside the Devillers agency during urban and regional consultations with the urban community of Aix-Marseille-Provence.

Develop a line of argument for raising awareness amongst elected representatives about the risks of climate change and its link to flooding, at the moment France hosts the 21st climate conference. The CEPRI produced a brochure for elected officials and local authority technicians on the significantly increasing risk of inland and coastal flooding in the twenty-first century, particularly in connection with climate change. 500 copies were produced and translated into English and the document was distributed between November and December 2015, at the same time as the COP 21 in Paris.

As part of this awareness program, the CEPRI was also involved in the “Water and environment” day at Saint-Malo on October 13 to discuss the link between climate change and flood risk at the request of Brittany’s CLE Association, as well as with elected officials from the Haute-Garonne in November 2015.

Crisis management / Anticipating the region's return to normal

Supporting pilot operations which test and reinforce the methods of the **activity continuity plan (PCA)** which is adapted to local authorities and their services.

The CEPRI has developed and conducted training courses for Loiret DDT agents to raise their awareness of the activity continuity plan being finalised, and to facilitate its use when implemented.

Identify key areas of support for populations in periods of crisis and during the return to normal phase; monitor the preparation and proceedings of the "SEQUANA 2015" exercise in Île-de-France.

During 2015, the CEPRI participated in working groups organised by the Paris defence zone to prepare the SEQUANA 2016 exercise. The CEPRI notably presented the key issues of a return to normal by highlighting the case of New Orleans post-Katrina. The CEPRI was also regularly involved in the flood risk training of Prefect staff organised by the Directorate General of Civil Security and the Interior Ministry crisis management (DGSCGC).

During the first half of 2015, the CEPRI developed the framework of a European project based on a comparative analysis of the crisis management measures for cases of extreme flooding between France and several European Union Member States, which was then proposed to different potential European partners. Designed to be presented as part of the H2020 request for proposals, this project was not proposed when an adequate support structure could not be found.

The work that was completed and the European partnerships that were forged could nevertheless be the basis for a future European project.

Provide an overview of monitoring and warning systems

Over a period of 6 months, the CEPRI hosted a trainee who worked on the identification of the key issues related to flood forecasting and alerting the population. Based on this work, the CEPRI will widen the subject and produce a summary document during 2016.

The CEPRI also participates in the work undertaken by the Central hydrometeorological and flood prevision service (SCHAPI) on the consolidation of the special flood vigilance measures, the implementation of Potential flooding zones (ZIP) and the deployment of Flash flood warnings.

Capitalise on the good practices of integrating flood risk management in the health sector, particularly in the hospital sector. This study includes a record of feedback and good adaptation practices from institutions that have experienced flooding events (or have been exposed to them) and also research on costings related to these events. Participants, institutions, and ARS have already been identified, and meetings organised with certain. This process will continue over 2016.

Support local authorities with their local policies

Support pilot actions implemented by local authorities in view of future local prevention strategies

Monitor the structuring of future local flood risk management strategies (SLGRI), an action which is conducted within the national network of PAPI and SLGRI holders for identifying the regions which are the most advanced in their SLGRI development. Provide support for structuring PAPI projects.

Parallel to the national network of SLGRI holders, the CEPRI continues to advise and develop the network of PAPI holders and provide expertise on specific issues where appropriate.

Network members, PAPI holders, have been specifically asked to give their opinion on the PAPI 2 specifications with a view to proposing potential improvements for a new PAPI 3 specification.

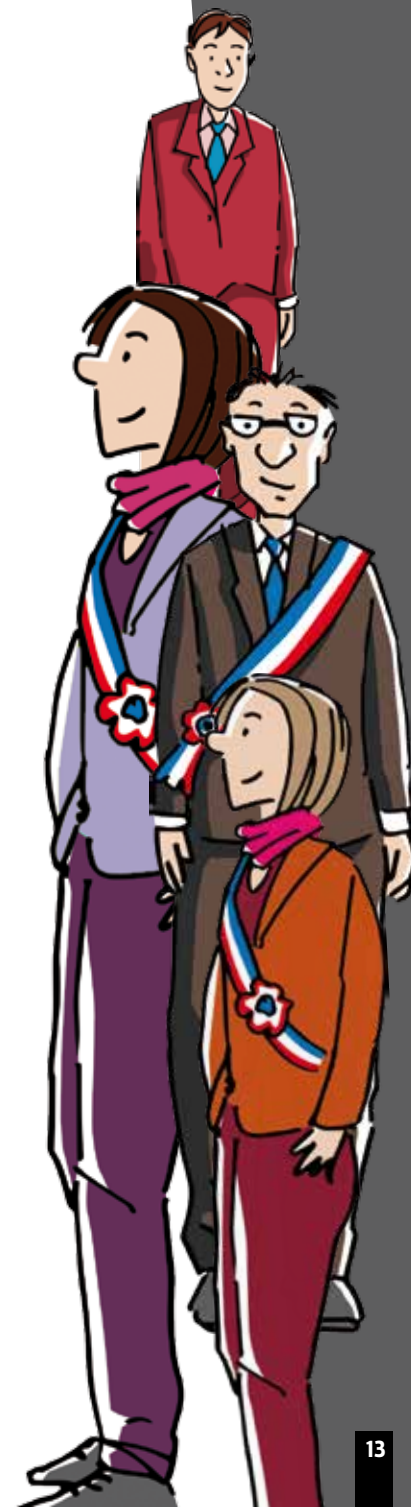
As part of the partnership with the Urban Community of Bordeaux, the CEPRI participated in several meetings on policies implemented by the city to prevent flood risks (including the development of a PAPI application submitted to the 05/11/2015 CMI).

Promote discussion of experiences between operators

To animate capitalisation networks, sharing and communicating good flood management practices. Develop and expand their public, with particular attention to:

- *Current and future PAPI holders and their contractual partners.*

The network had 40 members in the summer of 2015. Prior to summer 2015 two technical days were organised for the PAPI network on the following topics: PGRI and rain runoff; progress report on the GEMAPI jurisdiction one year after the first network meeting was organised on the subject. The CEPRI participated in a Geohazard conference "Management of disasters and natural hazards" in January 2015 organised by the University of Montpellier, in which a comprehensive review of PAPI was presented between their creation in 2002 and 2015. bilan global des PAPI entre leur création en 2002 et l'année 2015.



The team

7 permanent members

- **Stephanie Bidault** (in office since 1 February 2007), Director
- **Nicolas Bauduceau** (in office since 16 August 2007), Scientific and Technical Director
- **Valérie Griffon** (in office since 22 November 2010), Director's Assistant
- **Julien Jadot** (in office since May 17, 2010), Project Manager
- **Anne-Laure Moreau** (in office since 1 October 2008), Project Manager
- **Rodolphe Pannier** (in office since 9 March 2009), Project Manager
- **Violette Gallet** (in office since 1 February 2015), Project Manager

End of apprenticeship

- **Violette Gallet** (October 2013 to 30 January 2015), specialised masters in regional risk management

2 training courses

- **Cathy Gémon** (humanities course from February 2015 for a period of 6 months)
- **Nicolas Guiffroy** (forecasting and warning systems course from April 2015 for 6 months)

1 fixed-term contract

- **Cathy Gemon** (from October 12, 2015, to June 30, 2016), Project Manager

• The carriers communities of future local strategies for flood risk management (SLGRI).

To this end, the national network of PAPI and SLGRI holders was launched at the first technical day held in Paris by the CEPRI and MEDDE on the 16/10, attended by about fifty organisations representing local authorities and State services. It was devoted to preliminary questions concerning the development of local strategies for flood risk management (SLGRI). A second day was organised in Paris on the 15/12 concerning the phase of vulnerability diagnosis within the region. New local authorities have joined this network since autumn 2015 (Toulouse Urban Community, SYMBHI, Urban Community of the counties of Ajaccio...). This network includes 45 members for the period 2015-2016.

Enrich the resource centre open to local authorities

Through the CEPRI **website notes** related to important documents (reports, decrees, circulars) can be drafted and communicated, and teaching **guides** and reports related to the problems encountered by local authorities produced and distributed. The CEPRI proposed a new guide to rainwater runoff flood management in January 2015 which was distributed to its members but also further afield, thanks to its strong visibility in the press. In spring 2015, the CEPRI began to distribute the report *"How can urban renewal operations be approached for reducing the vulnerability of zones at risk of flooding? Technical development principles."* This report was the subject of numerous presentations in the context of conferences with local elected officials and planning professionals. During the COP 21, the CEPRI distributed an informative brochure on the impact of climate change and flood risk, in both French and English. The CEPRI distributed these publications in different contexts during both national or international events, some of which resulted in the publication of articles:

- work on the economics of reducing the vulnerability of housing during the Geohazard forum in Montpellier, January 2015
- work on raising public awareness of flood risk during the SHF conference in May 2015.

Structuring a European network

Organising a network of best practices amongst European participants

Maintaining and developing collaborations based on all the topics of CEPRI's work. All CEPRI productions are enriched by examples originating from foreign countries.

Participating in ongoing European projects

Contributing to the European Starflood project which is partnered by CEPRI, on the issue of governance in flood risk management, The CEPRI actively participated in the Starflood project, providing expertise and knowledge of the various participants in flood risk management. 2015 was the year that this research on the governance of flood risk management was analysed, as well as being the period that products were formalised for communicating the knowledge accumulated since 2013.

In this context, during this year the CEPRI:

- organised a national workshop to discuss and debate French results,
- organised an international workshop integrated into the Unesco *"Our Common Future Under Climate Change"* conference to present and discuss the international results, also participating in the preparation of the final conference held in February 2016,
- thanks to its knowledge of local authority and government service requirements for flood risk management, the CEPRI also directed the development of a guide for operational staff which is due to be published at the end of the project, designed to be as relevant as possible for risk managers and regions.

Integrate European projects initiated into the framework of the new 2014-2020 period: Interreg, Life +, Horizon 2020.

Following up efforts made in 2014 to participate in project development with European partners, the CEPRI has kept contact with the city of Dublin for the "Ttuple-T" project, which will be submitted to the Inter-regional Arc Atlantique funding program. A second project is also in gestation for the Alcotra cross-border European program. Initial contacts have been established and should lead to the submission of a business case during 2016.

The CEPRI is also a member of the Advisory Board of the major European conference on the management of flood risks, Floodrisk, to be held in Lyon in October 2016. It contributes to the organisation of content for this event. The CEPRI proposed oral and written contributions in the context of this conference.

Monitor the work of European institution on the Floods Directive

Participate in the Working Group F of the European Commission.

The CEPRI continued and intensified its involvement at a European level by twice participating in the Working Group F which is piloted by the European Commission and brings together the institutions responsible for the implementation of the Floods Directive across the 28 Member States. The CEPRI was also invited by the European Commission to participate in the "Water Conference" held in Brussels in March 2015.

FINANCIAL REPORT 2015

The 2015 budget is closed at **€ 648.6 k in revenue**, of which € 484 k is business grants and € 153.5 k contributions.

Opposite this, there are **€ 642.5 k of expenses**, including € 502 k for salaries and charges, € 24 k for external services, € 40 k for publishing and € 43 k in travel expenses.

In addition to the 2015 revenue of € 648.6 k, a deferment of € 42 k from 2014 must be added while a deferment of resources of € 36 k to the year 2016 is deducted. In light of these deferments, **the 2015 activity registered a profit of € 13 k.**

Members contributions totalled € 115.5 k and PAPI-SLGRI network memberships € 38 k.

2015 Summary Table (with 2014 and 2013 comparison)

Products (k €)	2015	2014	2013
Member contributions	115,5	109,5	98,5
Business grants	484	465	483
Network memberships	38	37	37
Exceptional products			
Other contributions	0	18	11
Training services	11,3	37	11
Total	648,6	666,5	647,5

Expenses (k €)	2015	2014	2013
Salaries and expenses	502	491	488
External services	24	13	50,5
Publications, brochures	40	44	35
Rentals	21	17	16,5
Travel expenses	43	47	34,5
Conferences and seminars	3,5	15	3,5
Exceptional expenses			
Miscellaneous	9	3,5	2
Total	642,5	630,5	630

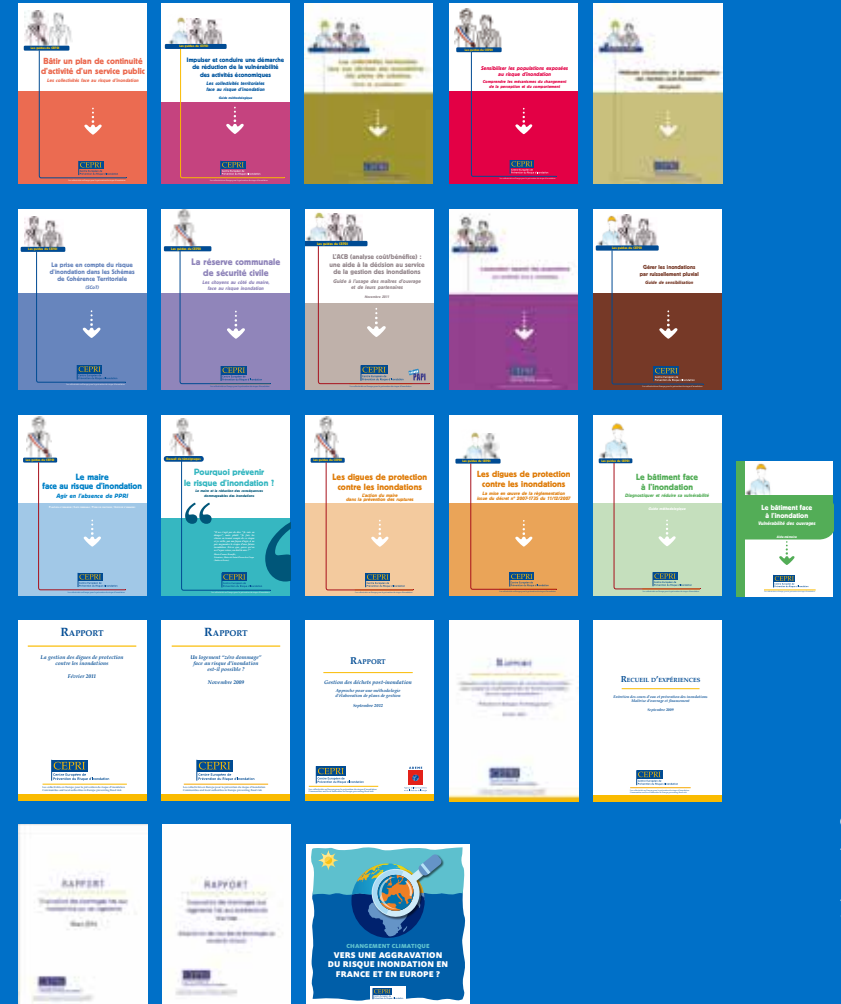
	2015	2014	2013
Operating profit	+ 6	+ 36	+ 17
Current income	+ 7	+ 37	+ 19
Exceptional income	0	0	0
Deferment year N - 1	+ 42	+ 35	+ 29
Deferment to year N + 1	- 36	- 42	- 35
Surplus or deficit	+ 13	+ 29	+ 13



CEPRI

Centre Européen de
Prévention du Risque d'Inondation

Les collectivités en Europe pour la prévention du risque d'inondation
Communities and local authorities in Europe preventing flood risk



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