



2016 ANNUAL REPORT

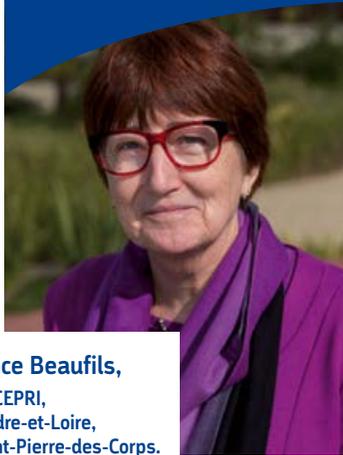
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ANTICIPATING IS VITAL! CEPRI GUIDES YOU
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CEPRI

Centre Européen de
Prévention du Risque d'Inondation

EDITORIAL

BY THE PRESIDENT



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

In Marseille in March 2016, CEPRI took part in the plenary session of the National Conference on Natural Hazards (Assises Nationales des Risques Naturels) on the subject of integrating flood risks into land planning, and in a post-Sendai “Build-back better” session. This was the opportunity to recall the need to innovate in these areas. CEPRI also organised a workshop called “New tools to prevent floods”. This National Conference brought together the entire risk management community, from local authorities to State services, including representatives of civil society. It is an essential place of exchange in which our national association takes part.

Once again, the year ended with its usual assortment of violent natural events, leaving in their wake victims and heavy economic loss for the citizens and regions affected. In May and June, two regions were affected: Centre Val-de-Loire and Ile-de-France. The A10 motorway, a major north-south-west route, was submerged and cut off the population for more than 10 days, in a very large geographic area in the Loire and the Seine basins. The sum of losses amounted to 1.2 billion euros. These floods were the occasion for the public authorities to measure the limits of their actions in crisis management, proving that action must take place ahead of such events. CEPRI took part, locally and nationally, in a debriefing exercise. Members of the team took part in public meetings alongside elected representatives and the State to get a better understanding of this disaster.

The Joint Flood Commission (CMI) is an important body in charge of managing the national flood risk management policy in application of the Act of 12th July 2010 concerning the national commitment to the environment (LENE). CEPRI played an active role in its foundation and set-up, driven by Senator Éric Doligé who was co-president of this commission at the time. As of 2016, CEPRI is once again co-chairing this commission, alongside Daniel Marcovitch, who represents the National Water Committee (CNE), a fact we can congratulate ourselves on.

2016 was also the 10th anniversary of CEPRI. A decade full of actions serving the regions. A number of members, State representatives and European partners demonstrated their support for CEPRI's missions and their interest in the work of

our organisation. With over one hundred members, the expertise of our national association is well established. It is continuing its development in the general interest, still with the same objectives: to be at the cutting edge of innovation in terms of flood risk prevention and share in-the-field experiences to build ambitious prevention policies.

CEPRI has been an approved training organisation since 2014 and had already organised a few sessions for its members on “pilot” sites. In 2016, the offer was extended and, in the same way as it issued practical guides, our structure developed a training catalogue. This new approach contributes to raising local and national actors' awareness of the major technical, political and economic challenges in order to better analyse and anticipate flood-related risks.

Committed to its goals, our structure carries out its missions at the service of the regions. Over the past year, CEPRI once again showed its ability to develop and to confirm its expertise in the general interest and to convey the voice of its members.

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2016, IN SEVERAL KEY EVENTS



CEPRI actively took part in debates concerning implementation of the national flood risk management policy, by monitoring certain files in particular: implementing the GEMAPI jurisdiction, rewriting the specifications of Flood Prevention Action Programmes (PAPI) and writing a national vulnerability reference frame.

Within the framework of application of the MAP-TAM law, and in particular the GEMAPI jurisdiction created by this law, CEPRI has carefully monitored preparation of the decree concerning risk assessments related to dykes by taking part in several working meetings nationally. CEPRI's president and team took part in many events on the subject of GEMAPI: Carrefour de l'Eau, the AMF, FNCCR and AdCF congresses, SMACL conference, etc.

In addition, on the strength of its experience on the Joint Flood Commission and with a network of PAPI and SLGRI leaders, the CEPRI team naturally took part in discussions on writing a third edition of specifications. Consequently, CEPRI consulted its network as part of its involvement in the working group set up by the ministry. It invited PAPI holders to respond to the public consultation of this new edition of specifications launched in summer 2016 and was one of the contributors.

Lastly, 2016 was the year of publication of the national vulnerability reference frame, for which work began in 2015. CEPRI, alongside the DGPR (Directorate General of Risk Prevention), played an important role in developing this national reference frame.

The president of CEPRI was appointed co-president of the CMI, on the advisory board for the prevention of major natural hazards (COPRNM).

Senator Éric Doligé, who founded the CMI and who was president of the Loiret County Council and president of CEPRI at the time, was co-president alongside André Flajolet. As terms of office change, for several years the CMI only had one co-president appointed on the National Water Committee (CNE), Daniel Marcovitch. The COPRNM renewed its members in 2016, therefore the president of the COPRNM, Christian Kert, asked Marie-France Beaufilets to be co-president of the CMI under this committee. Marie-France Beaufilets therefore sat on the CMI for the first time on 7th July 2016.

CEPRI has started a debriefing exercise on the floods of May-June 2016.

The floods of May-June 2016 were the most damaging natural events experienced by Orléans Metropolitan Authority for nearly half a century. The particular nature of the phenomenon, its considerable impacts, and the way the public authorities handled it were worthy of a certain number of investigations. In this regard, and within the framework of a partnership with Orléans Metropolitan Authority, CEPRI decided to perform a debriefing exercise focused on the scope of the urban agglomeration.

Its objective was dual-fold: draw lessons from this catastrophic event in order to allow the region and its actors to lay the foundations for new directions for flood risk management, partly dependent on the inter-municipal level, and above all to contribute to entrenching these events in memories for the years and decades to come.

This feedback was based on collecting information. The sources included interviews with representatives in 16 of the 22 municipalities of Orléans

Metropolitan Authority, the main crisis managers, joint structure management associations and experts able to explain the events (BRGM, Météo France, etc.), written sources and participation in debriefings, following the internal debriefing schedule set up by local actors.

This feedback complements other approaches undertaken, notably the one conducted by the General Council for the Environment and Sustainable Development (CGEDD) on the "Closure of the A10 motorway and other infrastructures during the floods at the end of May 2016" and the feedback on the "Floods of May and June 2016 in the intermediate basins of the Seine and the Loire" carried out by the CGEDD and the General-Inspectorate of Administration (IGA).

CEPRI is furthering its development by taking part in national and European events on flood risk.

CEPRI took part in the steering committees of the National Conference on Natural Hazards and also in the European Flood risk conference, each time taking part in plenary sessions and in organising workshops with a more technical nature. CEPRI also took part in a study trip organised by the Haut Comité français pour la défense civile (HCFDC) in New Orleans.

CEPRI asserts its technical competence by taking part, as jury member, in several emblematic events in the field of flood risk.

Within the framework of the Green Tech Verte initiative launched by Ségolène Royal in February 2016, the ministry organised a third Hackathon from 18th to 20th November 2016 dedicated to natural hazard prevention. The purpose? To use the data supplied during the Hackathon to develop risk management and prevention schemes in

order to improve dissemination and information before, during and after a natural disaster and ensure that citizens adopt the right behaviour in face of the risks. CEPRI took part in this event as a jury member. This jury named three winners in the fields of raising populations' awareness of imminent risks, the resilience of businesses and post-disaster waste management.

In October 2016 in Lyon, CEPRI also took part in awarding prizes as part of the Prévirisik event organised by the AF-EPTB, as a jury member. Three projects were rewarded, put forward by the SYMBHI (Isère), the EPTB Vilaine and the EPTB Saône Doubs, in partnership with DREAL Bourgogne Franche-Comté.

CEPRI celebrates its 10th anniversary.

For this occasion, on the site of the Maison de l'Amérique Latine in Paris, members, partners and State representatives came together on 29th June 2016. In the presence of European actors of the flood risk prevention policy (Spain and the Netherlands), this event traced 10 years of CEPRI's actions at the service of the French regions. With the focus on pragmatism, as required by such challenges, this day also provided the opportunity to look back at the floods in May and June in the Centre and Ile-de-France regions.

CEPRI added to its collection of publications the publication of two new guides in 2016.



“The local regions and their technical networks against flooding”.

With this guide, which was published in March 2016, CEPRI puts forward technical, organisational and strategic avenues on three lines: understanding the vulnerability of the networks,

learning to reduce this vulnerability over the long-term, dealing with it in the short-term. This publication is targeted at network managers and their users. It includes summary sheets for each type of network: electricity, gas, hydrocarbons, urban heating, telecommunications, drinking water, sanitation, waste management, rail network and urban public transport. In view of the importance of these technical networks, it is therefore essential for local authorities to anticipate and analyse the risks faced by them in order to avoid excessive vulnerability, which is harmful to the safety of people and to the correct working of the regions, and to promote a quick return to normal in the best conditions.



“Elaboration of the coastal flood risk reduction strategy”.

With this new guide, CEPRI plays its full role in ongoing discussions by proposing a collection of experiments carried out locally in France as well as abroad to elected representatives and technicians of

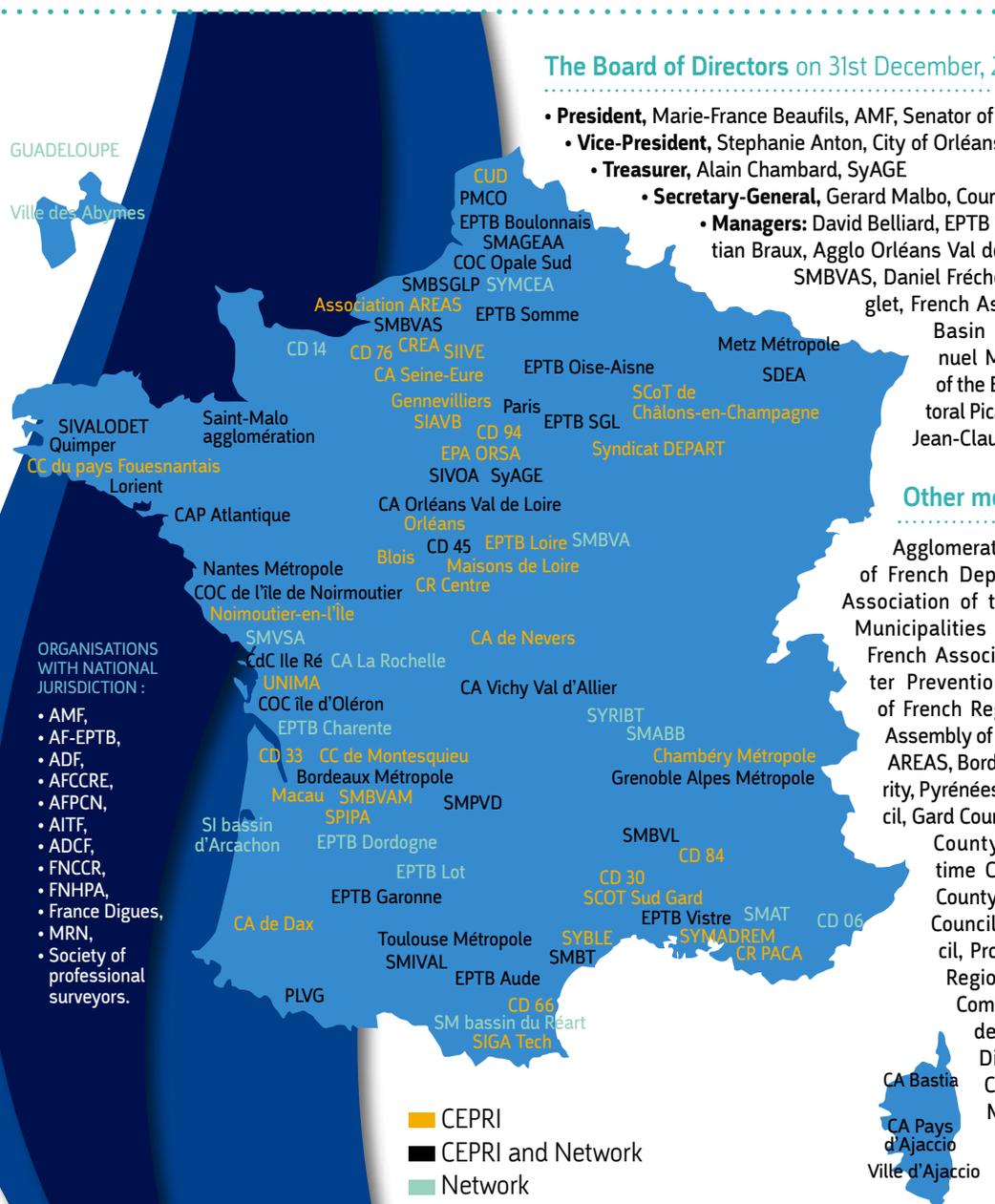
coastal areas. Thus, all local players will be better able to equip their region with local coastal flood risk management strategies, which anticipate the developments to come, define realistic objectives and are set out in a coherent and layered action programme.



CEPRI's contributions to the issues related to flood risk, with some concrete examples, are relayed by the press: media coverage.

- **La Gazette des communes, June 2016:** “Dykes, GEMAPI's liability”
- **Environnement Magazine, June 2016:** “The dyke management headache”
- **Revue des collectivités locales, July-August 2016:** Interview with Marie-France Beaufils
- **Actu Environnement, September 2016:** “Local flood risk management strategy”

THE ASSOCIATION'S COMPOSITION



The Board of Directors on 31st December, 2016

- **President**, Marie-France Beaufiglioli, AMF, Senator of Indre-et-Loire
- **Vice-President**, Stéphanie Anton, City of Orléans
- **Treasurer**, Alain Chambard, SyAGE
- **Secretary-General**, Gerard Malbo, County Council of Loiret
- **Managers**: David Belliard, EPTB Seine Grands Lacs, Christian Braux, Agglo Orléans Val de Loire, Michel Cortinovic, SMBVAS, Daniel Fréchet, EP Loire, Bernard Lenglet, French Association of Local Public Basin Establishments, Emmanuel Maquet, Joint Association of the Baie de Somme-Grand Littoral Picard, deputy of the Somme, Jean-Claude Weiss, ADCF.

Other members

Agglomeration of Nevers, Assembly of French Departments (ADF), French Association of the Council of European Municipalities and Regions (AFCCRE), French Association for Natural Disaster Prevention (AFPCN), Association of French Regional Engineers (AITF), Assembly of French communes (ADCF), AREAS, Bordeaux Metropolitan Authority, Pyrénées-Orientales County Council, Gard County Council, Val-de-Marne County Council, Seine-Maritime County Council, Vaucluse County Council, Gironde County Council, Centre Regional Council, Provence Alpes-Côte d'Azur Regional Council, Ile d'Oléron Combined District Council, Ile de Noirmoutier Combined District Council, Ile de Ré Combined District Council, Montesquieu Combined

District Council, Pays Fouesnantais Combined District Council, Opale Sud Combined District Council, Urban Community of Bastia, Urban Community of Pays Ajaccien - CAPA, Urban community of the Seine Eure, Urban community of Greater Dax, Urban community of the Guérande Atlantic peninsula, Urban Community of Dunkirk, Chambéry Metropolitan Authority, Oise-Aisne Coalition, Orly-Rungis Seine Amont 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 Dignes, Grenoble-Alpes Metropolitan Authority - La METRO, Lorient Agglomeration, Natural hazards mission (MNR), Metz Metropolitan Authority, Rouen Normandy Metropolitan Authority (CREA), Nantes Metropolitan Authority, Order of expert surveyors, Opal Coast Metropolitan division, Saint-Malo agglomeration, Alsace-Moselle Water and Sanitation Association (SDEA), Joint Association of aquatic zones and rivers (SMMAR), Joint Association for planning and management of Boulogne waters (SYMSAGEB), Joint Association of SCoT Sud-Gard, Joint interregional Association of delta dyke planning (SYMADREM), Joint Association of Artigue-Maqueline watersheds, Joint Association for the study of the Garonne (SMEAG), Joint Association of the Orge valley (SIVOA), Joint Association for the development and management of Aa waters (SMAGEAA), Joint Association of the Lez catchment (SMBVL), Joint Association of the Pays de Lourdes Vallées de Gaves, Joint Association for the planning and enhancement of the Somme basin (AMEVA), Inter-departmental Joint Association of the Lèze valley (SMIVAL), Joint Association of the Bièvre watershed (SIAVB), Joint Association of Dordogne valley counties (SMPVD), SCoT Châlons, Inter-county and inter-departmental Association of the Epte valley (SIIVE), Single-purpose Association for the management and development of the Tech (SIGA Tech), Association for flood protection of Ambès peninsula (SPIPA), Association of the Lez basin (SYBLE), Association for the study, programming and planning of the region of Troyes - DEPART association, Joint Association of the Thau basin (SMBT), Toulouse Metropolitan Authority, Union for the marshes of the Charente Maritime (UNIMA), City of Macau, City of Paris, City of Quimper, City of Blois, City of Noirmoutier-en-l'Île, City of Gennevilliers, City of Ajaccio, Vichy Val d'Allier, Toulouse Metropolitan Authority, Joint Association of the Réart basin, Inter-county association of the Arcachon basin, City of Abymes (Guadeloupe), SIVALODET.

Association events in 2016

- 4 board meetings: 8th March, 14th June, 4th October, 29th November.
- 3 general committee meetings: 9th February, 24th May and 8th November.
- 1 general meeting: 29th June followed by the celebration of the 10th anniversary, on the theme: "10 years of actions to prevent flooding at the service of the regions".

- CEPRI
- CEPRI and Network
- Network

OPERATION OF THE ASSOCIATION

A team with multiple skills

CEPRI began the year with a team of eight people to manage the 2016 programme of activities: a director, a scientific and technical manager, a directorate assistant and five multidisciplinary project managers.

CEPRI encompasses diverse and complementary skills which provide a comprehensive and wide-ranging 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

CEPRI welcomed new members in 2016: Union of the Lez basin (SYBLE), Grenoble-Alpes Metropolitan Authority, Toulouse Metropolitan Authority, Urban community of Pays Ajaccien, City of Ajaccio, Joint Association of the Thau basin (SMBT), Ile de Ré Combined District Council, DEPART Association (region of Troyes), Pays fousnantais Combined District Council, Montesquieu Combined District Council, Urban Community of Bastia, the AREAS association and the Alsace-Moselle Water and Sanitation Association (SDEA).

There were also some departures from the association: the Association of rural Mayors of France, the County Councils of Cher and Indre-et-Loire, the SIADEM, Joint Union of Wateringues and the SIJALAG.

At the same time, CEPRI continued to develop a network of PAPI and SLGRI holders comprising a place for discussion, exchanging and sharing of 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 application to the concrete implementation of the programme's actions. Since autumn, CEPRI has been helping local flood risk management strategy planners to complete their SLGRI by the end of 2016.

Members of the PAPI-SLGRI network thus had 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 and to raise any questions they may have. If needs be, they can also be put in touch with other project managers who are facing the same problems.

In 2016, CEPRI organised and hosted **five days of discussion**:

- 15th March 2016, on the subject "from PGRI to SLGRIs, objectives and provisions",
- 12th May 2016, on "the new PAPI III specifications - national vulnerability reference frame",
- 30th June 2016, on "reducing the vulnerability of flood-related challenges",
- 25th October 2016, on "flooding and crisis management",
- 8th December 2016, on "an update on the SLGRIs on the eve of the 2nd cycle of the Flood Directive and presentation of the ONRN".

The aim of these events was to offer PAPI-SLGRI project managers the 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. CEPRI provided methodological elements to guide participants through the implementation of their project, as well as examples of good practices undertaken elsewhere in France or in Europe.

CEPRI regularly invited State service agents to participate in this type of exchange. Representatives of the Ministry of Ecology, the General Directorate of risk prevention and the Directorate of development, housing and nature, the General Commission for sustainable development, and the Directorate of public safety of the Ministry of the Interior were thus able to contribute to discussions, meet local participants and answer questions.

As a reminder, members of the PAPI-SLGRI network have access to a reserved space on the CEPRI website www.cepri.net, where they can download a summary of these events.

This network consisted of 48 members in 2015 and was enlarged in 2016 with 9 additional members: Joint Association of the Réart basin, City of Ajaccio, Ile de Ré Combined District Council, Inter-county association of the Arcachon basin, Pays fousnantais Combined District Council, Urban Community of Bastia, City of Abymes (Guadeloupe), Nantes Metropolitan Authority and the SIVALODET (Quimper).

Participation in trainings

As a training organisation, CEPRI was able to provide one course this year for Loiret DDT agents on business continuity plan.





CEPRI also took part in several training courses for local authorities or government services (training on behalf of the General Directorate of public safety and the Ministry of the Interior's crisis management, IRSTEA/IFORE training on cost benefit analysis, training on reducing vulnerability as requested by the AREAS, etc.).

Real international prospects

CEPRI's involvement on the European and international scene was confirmed this year with CEPRI's participation in the European Commission's "Working Group F" (composed of institutional representatives of 28 members of the European Union and established to ensure the correct implementation of the Flood Directive, in coordination with the objectives of the Framework Directive on water), alongside the French State, and with the involvement of its team in the final phase of the European Starflood project.

CEPRI also took part in organising the European "Floodrisk 2016" conference and sought to forge partnerships with Italy and Ireland on the subject of raising awareness to the risk.

Lastly, CEPRI took part in a study trip to the United States, more specifically New Orleans, in September 2016.

The work of the Experts Committee

CEPRI's Experts Committee (established in 2012) is an advisory body which examines the technical and scientific orientations proposed by the organisation. Based on the competence of leading specialists in flood risk management, it provides confirmed expertise aimed at upholding the high quality of CEPRI's discussions. 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 Experts Committee currently has 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 Nîmes
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 Bretagne Waters Agency
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, Éric Martin manages the Departmental 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
Julien Langumier	Doctor of Ethnology, head of DDTM 13
Magali Reghezza	Lecturer at the École Normale Supérieure

In 2016, CEPRI organised and hosted three days:

- 25th January 2016, on key events of the past 10 years in terms of risk management policy and on the major challenges of the next 10 years,
- 31st May 2016, on the comparison of European practices in terms of flood risk management,
- 22nd November 2016, on "What lessons can we learn from the floods in May-June 2016 in France?"

A summary of these meetings was made available to all of our members

2016 EVENTS

Participation in conferences and other events

January

- **6:** Funding priorities WG - Paris
- **12:** Vulnerability reference frame WG - Paris
- **13:** Dyke decree WG - Paris
- **15:** Steering committee for the National Conference on Natural Hazards - Paris
- **19:** Steering committee for PAPI III specifications - Paris
- **20:** FNAU conference - participatory workshop - Unesco Paris
- **25:** Experts Committee - Paris
- **26:** ACB/ABC national WG - Paris
- **27:** Agriculture and natural spaces WG - Paris
- **28:** Steering committee for the prevention of major natural hazards COPRNM - Paris
- **28:** Speech at the “Carrefour de l'eau” event on GEMAPI - Rennes
- **28:** Plan Loire WG - Orléans

February

- **1:** Meeting with Italian partners for the Alcotra project - Lyon
- **2:** Meeting with the president of the Order of expert surveyors - Paris
- **4/5:** Final conference of the Starflood project - Brussels - Belgium
- **5:** CODOST SCHAPI - Paris
- **9:** CEPRI offices and lunch with the president of the natural hazards mission - Paris
- **10:** Working group on PAPI III specifications - Paris
- **11:** Joint Flood Commission - Paris
- **29:** COTECH of the SLGRI of the high-risk territory of Orléans

March

- **1:** Lunch with the president of the AdCF - Paris
- **3:** ANRN steering committee - Paris
- **4:** Speech at the coffee-debate organised by the CPIE Pays de l'Aisne, on the subject: “Buildings suitable for flood risks and resilient housing” - Compiègne
- **7:** Launch of SEQUANA exercise - Paris
- **9:** Board of Directors of CEPRI and PAPI III specifications WG - Paris
- **12/13/14:** Working Group F - Vienna - Austria
- **15:** PAPI/SLGRI network - Paris
- **14/18:** Participation in SEQUANA as a flood expert
- **22/23:** National Conference on Natural Hazards - Marseille
- **29:** SHT/RDT steering committee - Paris
- **31:** ASTEE - GEMAPI conference - Agen

April

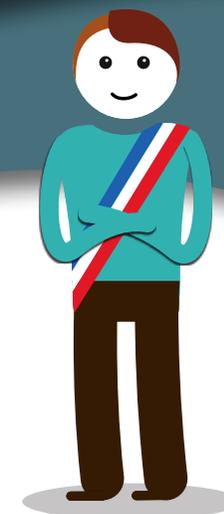
- **4:** Speech at the Moniteur conference on the subject “Natural hazards in building” - Paris
- **7:** Joint Flood Commission - Paris
- **15:** Intervention in the workshop “Urban forms and run-off” of SCoT Uzège - Pont du Gard
- **18:** Crisis management WG - SLGRI of the high-risk territory of Orléans
- **20:** Meeting of the national observatory of natural hazards - Paris
- **26:** Meeting with Marc Mortureux (MEEM) - Paris
- **27:** Land development plan focused on coasts - seminar - Paris

May

- **3:** PAPI III specifications WG - Paris
- **4:** General meeting of AREAS
- **4:** Multi-criteria analysis methodology/loss record WG - Paris
- **10:** Speech on GEMAPI in front of SYBLE elected representatives - Montpellier
- **10:** Multi-criteria analysis methodology/FHRC meeting WG - Paris
- **12:** ANRN steering committee - Paris
- **12:** PAPI/SLGRI network - Paris
- **17:** PAPI III specifications WG - Paris
- **17:** Vulnerability reference frame WG - Paris
- **24:** CEPRI offices - Paris
- **25:** General meeting of France Dignes - Paris
- **26:** PAPI III specifications WG and SCHAPI WG on flash flooding - Paris
- **31:** Experts Committee - Paris

June

- **1:** Update on GEMAPI - AMF conference - Paris
- **7:** ONRN management board and user committee - Paris
- **9/10:** SYMADREM visit - Arles
- **13:** Speech at the Idéal network web conference on GEMAPI - Paris
- **14:** Board of Directors of CEPRI and PAPI III specifications WG - Paris
- **16:** Speech at the SMACL conference on GEMAPI - Niort
- **16:** Speech at CEREMA's technical event “Improve planning, building and living in risk areas” - Aix-en-Provence
- **17:** Multi-criteria analysis methodology WG - Paris
- **21:** FNCCR congress with GEMAPI update - Tours
- **21:** Speech at “Ile-de-France PAPI Days”: Flood risk perception mechanisms - Paris



June (continued)

- **23:** Joint Flood Commission technical committee - Paris
- **28:** Participation in the HCFDC video chat on the debriefing exercise of the May-June floods - Paris
- **29:** CEPRI general meeting/10 years of CEPRI - Paris
- **30:** PAPI/SLGRI network - Paris

July

- **4:** Hosting a workshop during the National Conference on Natural Hazards PACA - Marseille regional council
- **7:** Joint Flood Commission - Paris
- **11:** Meeting with the Villes de France association - Paris
- **20:** Meeting with Valérie Lacroute, mayor of Nemours - Paris

September

- **1:** Participation in the Previrisq jury - Paris
- **5 to 9:** Study trip: New Orleans, 10 years after Katrina - United States
- **8:** AFPCN general meeting - Paris
- **14:** Meeting to launch the network of regional natural hazards observatories - Paris
- **15:** Speech at the France Nature Environnement training day on GEMAPI - Orléans
- **15:** Agriculture and natural spaces WG - Paris
- **19:** Multi-criteria analysis methodology WG - Paris
- **21:** Speech at the Aquaterritorial conference on GEMAPI - Mulhouse
- **22:** COTECH Plan Seine - Paris
- **26:** Debriefing on the Ile-de-France floods in the presence of the Minister - Paris
- **28:** Department of public safety training - Lognes
- **30:** GPATIC steering committee of the prize for planning in a constructible flood-risk area - Paris

October

- **4:** CEPRI Board of Directors - Paris
- **5:** Speech at the GRIDAUH conference on urban planning documents and natural hazards - Paris
- **6:** Joint Flood Commission - Paris
- **11:** Meeting with a member of the cabinet of the Ministry for the Environment - Paris
- **12:** Speech at the Board of Directors of the National federation of open-air hotels (FNHPA) - Paris
- **12:** Meeting with the president of EP Loire - Orléans
- **13:** Participation in the workshop on water management and GEMAPI at the AdCF congress - Strasbourg
- **18:** Floodrisk 2016: Effects of flood awareness-raising regulation mechanisms and speech at the plenary session on the subject of historical floods - Lyon
- **19:** Local water community conference: "How to manage urban planning in flood-risk zones?" - Grenoble
- **19:** Participation in the Mediterranean arc meeting - Aix-en-Provence
- **20:** Floodrisk 2016: Hosting of a special session: "Innovative solutions for flood risk resilient urban planning and design" - Lyon
- **25:** PAPI/SLGRI network - Paris
- **27:** Speech at the HCFDC conference on the debriefing exercise of the May-June 2016 floods: The May-June 2016 floods: "What have we learnt to improve preparation of those involved?" - Paris
- **27:** Speech at the Comité 21 exchange day on natural hazard management - Paris

November

- **8:** CEPRI offices - Paris
- **10:** Speech at the training day organised by AREAS on the vulnerability of the region - Rouen
- **15:** GPATIC steering committee - Paris
- **16:** Working lunch with the co-presidents of the Joint Flood Commission - Paris
- **16:** Speech at IRISSE: Evaluation of preventive information in view of the flood risk - Nantes
- **22:** Experts Committee - Paris
- **24:** COPRNM - Paris
- **29:** CEPRI Board of Directors and speech at the conference "Weather and climate" on the impact of climate change on overflowing rivers - Paris

December

- **1:** Speech at the RAITAP day on governance of returning to normal - Paris
- **7:** Meeting with the president of France Dignes - Paris
- **8:** PAPI/SLGRI network - Paris
- **9:** Speech at the technical day of the Rivière Rhône Alpes association on GEMAPI - Alixan
- **12:** High Level Forum of the OECD - Paris
- **13:** Agriculture and natural spaces WG - Paris
- **13:** GPATIC steering committee - Paris
- **14/15:** Joint Flood Commission - Paris
- **16:** Meeting with the elected representatives of Agglo Orléans Val de Loire as part of the debriefing on the May-June 2016 floods - Orléans
- **19:** Participation in the HCFDC video chat on flood risk management - Paris

2016 ACTIVITIES

Represent communities nationally

> Take part in national debates on changes to public policies

Actively participate in working groups organised by State representatives to implement the national flood risk management strategy, in **all consultations** concerning flood risk and in **organising the National Conference on Natural Hazards** in Marseille.

Organisation of workshops at the National Conference on Natural Hazards (ANRN - Marseille, March 2016) on the subject of new tools to implement the flood risk prevention policy: PAPI, SLGRI, GEMAPI, etc. Intervention of Marie-France Beauvils, president of CEPRI, in the opening plenary session. Participation of the CEPRI team in two workshops, one concerning avenues for funding the flood risk prevention policy, the other on the legal responsibilities of the different participants concerned by the preventive actions.

Participation in all national working groups on the following subjects: priority of funding, implementation of a vulnerability reference frame, debate on the creation of national indicators, risk culture and flood risk and natural agricultural areas. As co-pilot of the working group on the vulnerability reference frame, CEPRI took part in finalising the vulnerability reference frame in collaboration with the CEREMA and the Ministry of the Environment.

Follow, alongside the MEDDE, developments in the third edition of the PAPI specifications

In 2016, CEPRI continued its participation in the national working group on the PAPI III specifications and involved, as part of the public consultation, members of the PAPI/SLGRI network to collate the requirements of current PAPI holders and enhance the discussion.

Monitor the work of the National Hydrometeorological and Flood Forecasting Centre (SCHAPI) on predicting floods by taking part in the advisory and scientific and technical board (CODOST).

CEPRI took part in a CODOST meeting in February 2016 and in a think tank on the sudden flood warning service experiment to relay the requirements of local authorities regarding this important flood prediction matter.

> Take action concerning the 2016 flood risk management tools

Assist in the understanding of texts and methods to contribute to a greater involvement of local authorities in all ongoing processes, particularly in the implementation of the new aquatic management and flood prevention jurisdiction (GEMAPI). **Ensure that local authorities are involved** as primary participants during the implementation of Flood Directive measures.

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

Active participation in all meetings organised by the MEDDE related to the decree on the risk assessment plan and content concerning hydraulic structures (dykes and dams), to make the voice of structure management authorities heard, as part of the implementation of the GEMAPI jurisdiction. A memo was sent to the MEEM and the draft decree was sent to members of CEPRI and of the PAPI and SLGRI network to give them the opportunity to react as part of the public consultation. A feedback was started with local authorities which had made the decision to anticipate implementation of the GEMAPI jurisdiction. CEPRI took part in many events to share these different experiences and inform representatives of local authorities of this new jurisdiction: congress of the mayors of France (AMF), congress of the National Federation of licensing and governing authorities (FNCCR) and 27th inter-communal convention (AdCF), etc.

> Provide expertise to the Joint Flood Commission (CMI) and the advisory board for the prevention of major natural hazards (COPRNM)

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

In 2016, the activity programme focused on four areas:

- **Representing** local authorities nationally, alongside other associations.
- **Innovating and developing** new tools for local authorities.
- **Supporting** local authority projects during the implementation of local policies.
- **Structuring** a European network using the skills of a network of experts to establish the scientific and technical directions of CEPRI and forming an increasingly dense network of European partnerships.

Actively contribute to the debate on developments, regulatory or otherwise, regarding flood risk management policy via participation in national working groups.

CEPRI took part in five Joint Flood Commission (CMI) meetings in 2016, enabling the most important PAPI in financial terms to be labelled. The president of CEPRI was appointed co-president of the Joint Flood Commission alongside Daniel Marcovitch (representative of the National Water Committee) in spring 2016. Two steering committees for the prevention of major natural hazards chaired by the deputy Christian KERT were held in 2016, in which CEPRI took part and conveyed the voice of local authorities.

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

> Improve knowledge

Improve the quantification of damages to the regions' assets (health establishments).

Improve knowledge of damage to cultural heritage.

Monitor deployment of the multi-criteria analysis methodology (AMC).

Participation in the national ACB/AMC working group responsible for developing the AMC method which will be compulsory in PAPI projects as of 2018.

Participation in the "loss record" working group reuniting the CCR, the CGDD, the CEREMA, the IRSTEA, the MRN and CEPRI, the purpose of which is to compare damage and data modelling from real events.

Participation in the "erosion" working group to lead to adaptation of the AMC method to the issue of the definitive disappearance of property in coastal areas.

Groundwork to prepare the issue of vulnerability of cultural heritage in view of flood risk, with the beginning of a study of French and international literature on the subject.

Finalisation of the economic modelling of the cost-benefit analysis of measures to reduce the vulnerability of housing.

Establishment of damage curves specific to health establishments. Work is ongoing and will finish in the first quarter of 2017: production of curves and report explaining the method.

> Raise awareness and participate in encouraging appropriate behaviour amongst the population

Put forward recommendations on the development of awareness tools

Structure an overview of the use of information and communication technologies in terms of raising awareness of risk.

Communicating on flood risk to lead to appropriate behaviour is not easy and requires consideration of the different factors that influence risk perception and individual involvement. Taking into account all success factors is not simple and the work carried out by CEPRI between 2010 and 2013 shows that few mechanisms manage to do so. This is particularly the case for flood-risk awareness-raising regulation mechanisms, the spearhead of preventive information in France. These observations led CEPRI to question the efficiency of its mechanisms and to implement, with two partner communes, Arles and Orléans, a study among the population living in flood zones.

The chosen method for this was a qualitative survey: over 60 semi-guided interviews lasting between 30 minutes and 2 and a half hours were carried out.

In 2016, this project was the subject of surveys, feedback meetings in pilot sites, reports for partner towns and a summary report.

This project highlights the scope of these mechanisms and their degree of participation in changing citizens' behaviour to flood risk; it also flags up some failings in preventive information proposing recommendations to improve regulation mechanisms in order to raise the population's awareness of flood-risk as a whole. CEPRI thus intends to take part in making populations safe in view of the flood risk and in improving the resilience of society, which retains or boosts the appeal of at-risk territories.

On the subject of information and communication technologies, CEPRI became the tutor of a student at the Nantes Atlantique design school carrying out a project on the subject of helping flood victims.

> Sustainable planning while adapting regions to climate change

Develop a methodological guide on the vulnerability of networks during floods.

Construct an argument for local authorities to take hold of urban renewal operations in order to reduce the regions' vulnerability.

Propose elements of discussion adapted to concerned regions (mountainous regions, regions faced with several risks, etc.).

Work to deploy solutions with multiple benefits allowing local authority representatives, among others, to optimise their funding sources.

At the start of the year, CEPRI finalised and disseminated a methodological guide on reducing vulnerability targeted at network managers, accompanied with summary sheets per type of network affected.

CEPRI worked on writing a methodology to attempt 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 work, which started in 2015, was based on exchanges with operational urban planning actors and an analysis of development operations in flood zones. The first conclusions were discussed within a working group during a meeting in Paris on 24/06/2016. A report is currently being finalised.

In addition, CEPRI continued to monitor the project conducted by the CEREMA on resilient neighbourhoods, based on case studies, including Val Ouest neighbourhood project in Orléans. CEPRI continued its investigations concerning the integration of flood risks in urban planning documents and in risk prevention plans. In particular, it took part in the FNESCOT’s Club Trame Verte et Bleue on integrating flood risk into land development plans (SCoT), and in the Seine Normandy basin working group on the integration of flood risk into urban planning documents and vulnerability diagnostics.

In addition, within the framework of the partnership with La Métro (Urban community of Grenoble), CEPRI is helping the authority to write its flood risk management policy, notably in terms of land use planning and town planning.

> Managing the crisis / Anticipating the region’s return to normal

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

Identify key issues to return to normal.

Monitor the preparation and proceedings of the “EU SEQUANA 2016” exercise in Île-de-France.

Make a guide on how to support the population in times of crisis and during the phase to return to normal.

Guide discussions on the development of monitoring and warning systems

Capitalise on good practices to integrate flood risk management in the health sector.

By taking part in several meetings, including the one to roll out the full-scale exercise, CEPRI monitored SEQUANA in Île-de-France and the ability of those involved to deal with a flood on the same scale as that of 1910.

Support for the resilience working group launched by the General Secretariat of the Civil Defence Zone (SGZDC).

Intervention at the conference on raising the economic world’s awareness, namely businesses in the Gennevilliers region, of the issues of reducing vulnerability and business continuity, organised as part of SEQUANA by the mayor of Gennevilliers.

In 2016, in partnership with State services, notably the Loiret DDT, CEPRI opened discussions on reforming the ORSIL mechanism (organisation of emergency services in the event of the Loire flooding), dating from 2005.

In 2016, CEPRI continued its work on flood monitoring and population warning systems. A summary document is currently being written.

CEPRI also took part in the work undertaken by the National Hydrometeorological and Flood Forecasting Centre (SCHAPI) on the reform of the Vigicrues flood vigilance measure, the implementation of potential flooding zones (ZIP) and the deployment of Flash Vigicrues.

Writing of a guide to raise flood-risk awareness of health sector players (health establishments and regional health agencies). This guide will be finalised in 2017 and is based on feedback from health establishments having experienced flood damages and on prevention approaches set up in this specific sector.

Guide local authorities in their local policies

Following the floods of end May-early June 2016, the Orléans Val-de-Loire Urban Community asked CEPRI to perform a debriefing exercise on these events. CEPRI did this between July and October 2016, based notably on some 50 interviews with crisis management players, and submitted the report to the Urban Community in November.

> Anticipate future local prevention strategies

Provide support for structuring future local strategies by implementing a network to pool and share good practices, by writing methodological guides and by organising local or national events.

Provide support for structuring PAPI projects and monitor changes to the specifications and funding methods of these programmes..



The team

7 permanent members

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

1 course

- **Sacha Dalis** (GEMAPI dyke course from 1st June 2016 to 2nd September 2016)

1 fixed-term contract

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

Provide support for future managers of protective structures by updating CEPRI publications on dykes in view of new regulations.

Parallel to the national network of PAPI/SLGRI holders, CEPRI continues to advise and develop the network of interested PAPI holders and provide expertise on specific issues where appropriate. Network members which are PAPI holders have been specifically asked to give their opinion on the PAPI III specifications within the framework of the public consultation.

As part of the partnership with the Bordeaux Metropolitan Authority, CEPRI participated in several meetings on policies implemented by the city to prevent flood risks.

From June to September, an intern made an inventory of actions carried out by local authorities in France, good practices in implementing the new "Aquatic management and flood prevention" jurisdiction (GEMAPI), listing the main questions raised by local authorities concerning "defence against floods and against the sea", from an organisational, legal, technical and financial point of view. This work helped in writing a methodological guide for locally elected representatives on the subject of rules applicable to structures built or to be developed with a view to preventing floods within the framework of implementing this jurisdiction, on 1st January 2018. In addition, as part of the partnership with the Bordeaux Metropolitan Authority, CEPRI participated in several meetings on policies implemented by the city to prevent flood risks (including writing the SLGRI and the current PLUi).

> **Promote discussion of experiences between operators**

Animate networks to capitalise on, share and disseminate good flood management practices. Develop and expand their public, with particular attention to:

- **current and future PAPI** holders and their contractual partners
- **local authorities and State services supporting future** local flood risk management strategies (SLGRI),

In 2016, CEPRI continued to lead the PAPI/SLGRI exchange network bringing together representatives of local authorities and State services (DGPR, DREAL, DDT). At the end of 2016, the network consisted of over 50 local authorities, while 23 decentralised State services took part in exchange days, alongside DGPR (Directorate General of Risk Prevention) representatives. Five exchange days took place, each bringing together between 30 and 50 participants on the following subjects: SLGRI objectives, PAPI III specifications and national vulnerability reference frame, crisis management with a "close-up" on the floods of end May-early June 2016, update on the SLGRI on the eve of the 2nd cycle of the Flood Directive and presentation of the ONRN (National Observatory of Natural Hazards).

In 2016, CEPRI took part in workshops concerning the writing of SLGRIs for Vals de l'Orléanais, Toulouse and Tours

• **Local authorities involved in the management of protective structures**

CEPRI is an associate member of the France Dignes association. It took part in the General Meeting and in a technical day dedicated to "Dyke management at the time of GEMAPI" (La Rochelle). France Dignes is also a member of CEPRI.

> **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 can be produced and distributed.

In November 2016, CEPRI published new guides, one on "Local authorities faced with coastal risks. Create and implement a coastal flood risk reduction strategy" and the other on reducing vulnerability of technical networks to floods. CEPRI distributed its work in several areas at national and international events. Interventions at the international Floodrisk Conference led to the publication of four articles.

Structuring a European network

> **Organising a network of good practices amongst European participants**

Maintain and develop collaborations based on all the topics of CEPRI's work.

> **Participate in ongoing European projects**

Contribute to the European Starflood project which is partnered by CEPRI, on the issue of governance in flood risk management.

Integrate European projects initiated within the framework of the 2014-2020 period.

CEPRI took part in writing and disseminating the guide of good practices resulting from researchers' work within the framework of the "Starflood" project. This European partnership ended in spring 2016. Many contacts with representatives of European structures led to collaborative work, in particular with Italy, Ireland and the United Kingdom.

> Monitor the work of the European institutions on the Flood Directive and on public safety issues

Participating in Working Group F of the European Commission and in the “Community of users” working group.

CEPRI continues to take part in all Working Group F meetings to monitor the transposition of the Flood Directive among representatives of the different European Union member states. The WGF meeting in Vienna in spring 2016 was notably dedicated to assessing the first cycle of the Flood Directive. CEPRI used the documents and discussions resulting from this event to produce a document comparing implementation of the Flood Directive in the European Union and to seek out foreign speakers for the 10th anniversary of CEPRI. CEPRI was a member of the Advisory Board of the major European conference on the management of flood risks, Floodrisk, held in Lyon in October 2016. It contributed to the organisation of its content for this event and steered and hosted a special session on the subject of urban planning adapted to flood risk.

At this international conference, CEPRI spoke on several subjects: raising the populations' awareness, network resilience, development principles to integrate flood risk in urban renewal projects, mass evacuation, historical floods, etc. Each intervention led to a specific article (4 in total).

Finally, note that CEPRI extended its prospects outside of Europe by taking part in a study trip to the United States, more specifically New Orleans, organised by the HCFDC. This trip was the opportunity to meet all of the people involved in crisis management, post-crisis management and reconstruction in the wake of Katrina.

2016 FINANCIAL REPORT

The 2016 budget was closed at **€680 k in revenue**, of which €504.6 k in business grants and €172.7 k in contributions.

Opposite this, **expenses amounted to €678 k**, of which €527 k for salaries and charges, €27 k for external services, €33 k for publishing and €58 k in travel expenses.

In addition to the 2016 revenue of €680 k, a deferment of €36 k from 2015 must be added and a deferment of resources of €35 k to the year 2017 must be deducted. In light of these deferments, **the 2016 activity registered a profit of €3,292**.

Members' contributions totalled €121.5 k and PAPI-SLGRI network memberships €51.2 k.

2016 Summary Table (with 2015 and 2014 comparison)

Products (€k)	2016	2015	2014
Members' contributions	121.5	115.5	109.5
Business grants	504.6	484	465
Network memberships	51.2	38	37
Exceptional products			
Other contributions	1	0	18
Training services	1.7	11.3	37
Total	680.0	648.6	666.5

Expenses (€k)	2016	2015	2014
Salaries and expenses	527	502	491
External services	27	24	13
Publications, brochures	33	40	44
Rentals	26	21	17
Travel expenses	58	43	47
Conferences and seminars	3	3.5	15
Exceptional expenses			
Miscellaneous	4	9	3.5
Total	678.0	642.5	630.5

	2016	2015	2014
Operating profit	+ 1.3	+ 6	+ 36
Current income	+ 2.5	+ 7	+ 37
Exceptional income	0	0	0
Deferment to year N-1	+ 36	+ 42	+ 35
Deferment to year N +1	- 35	- 36	- 42
Surplus or deficit (€k)	+ 3	+ 13	+ 29

http://cepri.newsfactory.fr/CEPRI_10ans.html



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