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Jean-Noël PANSERA, Secretariat of the  
International Meuse Commission



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INTERNATIONAL MEUSE SYMPOSIUM  
21 September 2021

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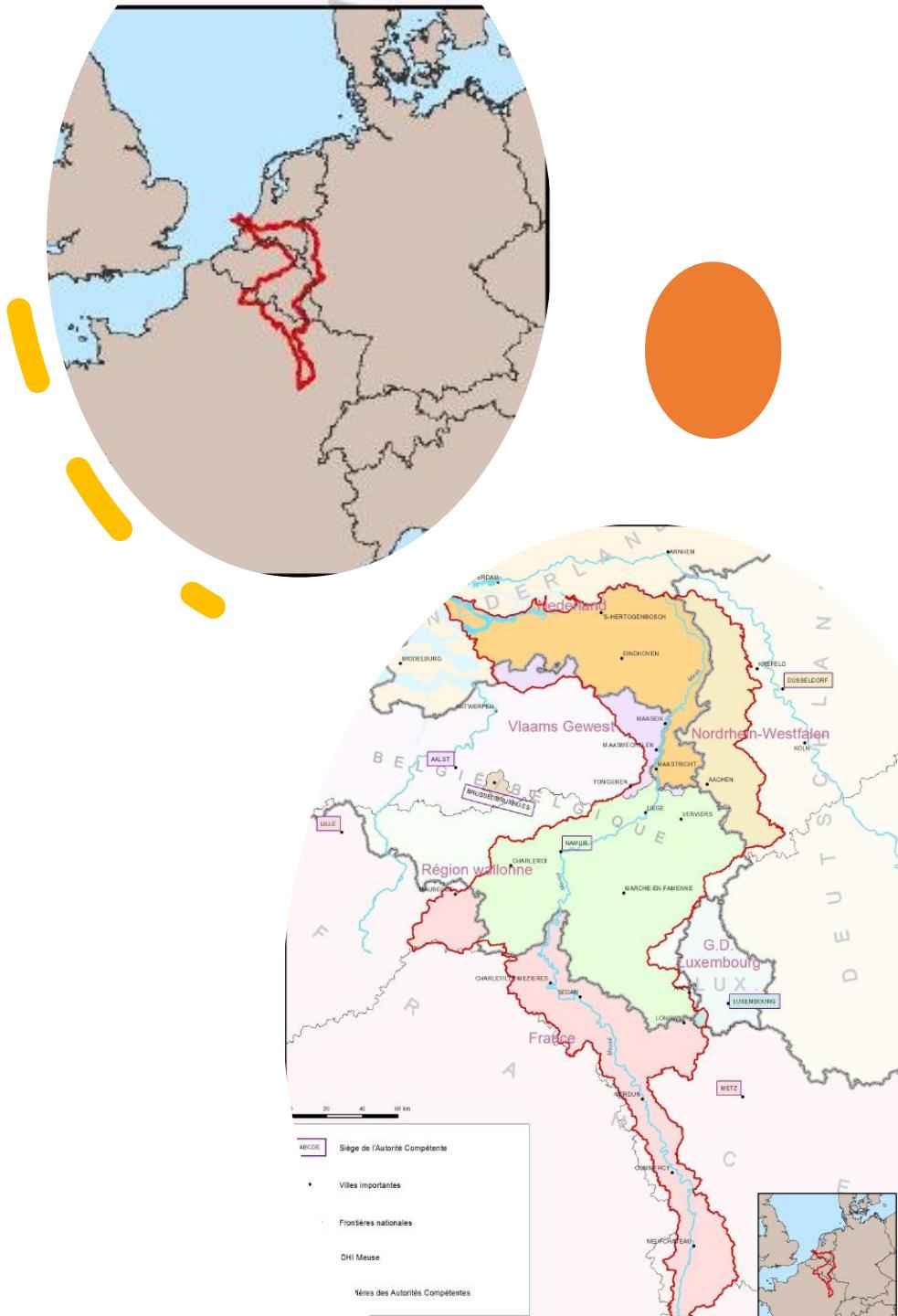
Plan of approach for the  
management of exceptional low  
water events in the Meuse  
catchment area – December 2020



# Presentation of the International Meuse Commission

- **International Meuse Agreement - Ghent 3 Dec. 2002** - International Meuse Commission (FR, BE, NL, LU, DE)
- 5 countries / 8 delegations (3 Regions for Belgium)
- 3 official languages (FR, NL, DE)
- Coordination of the obligations of the Water Framework Directive and the flood risks Directive
- Advice and recommendations to the Parties for the prevention and control of accidental pollution (warning and alert system)
- Permanent secretariat in Liège, 3 employees

<http://www.meuse-maas.be/>



# From Floods...

Important floods in 1993 and 1995  
100 year return period



Source: L1.nl



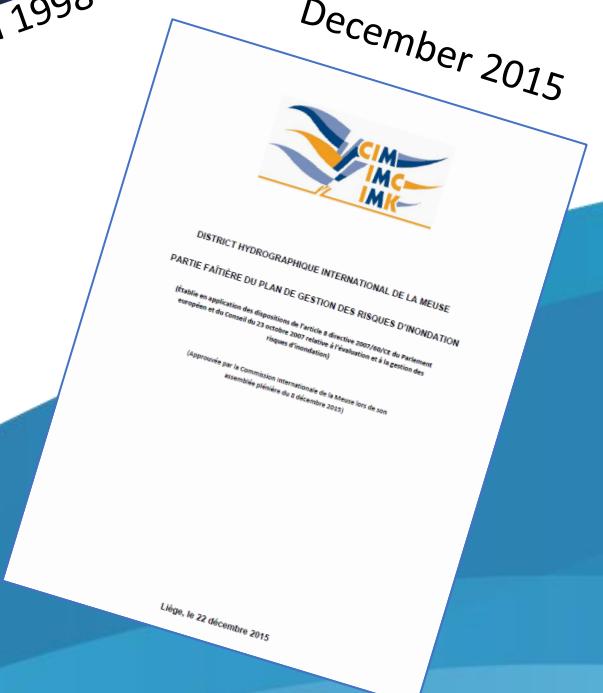
Source: ANP



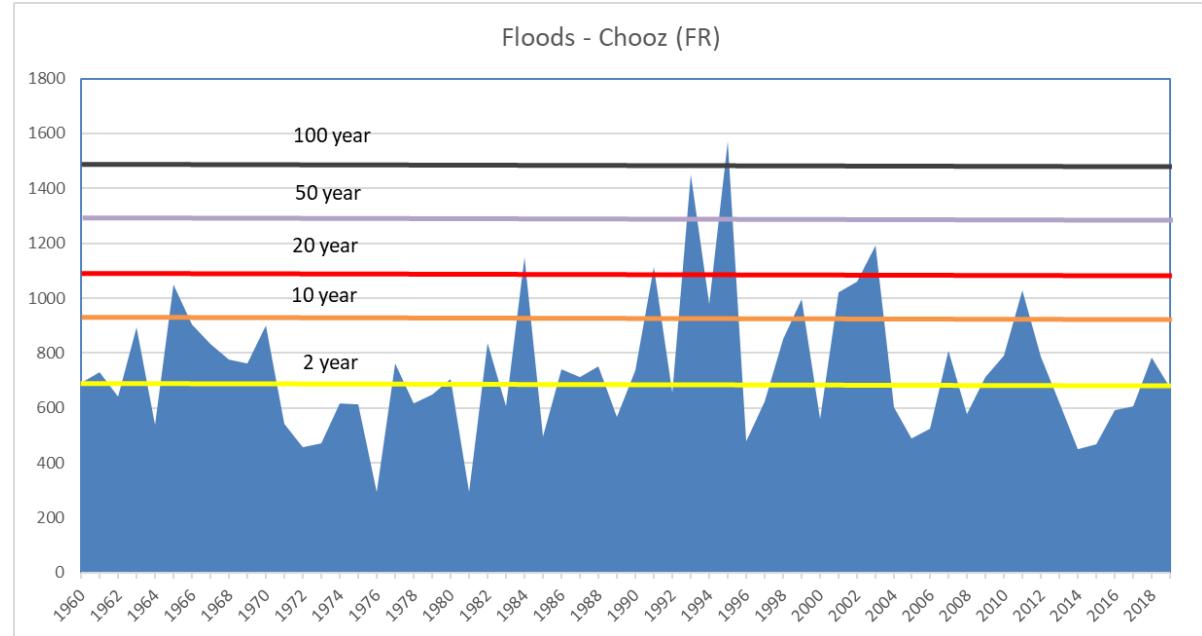
Source: rws.nl



Data Exchange and  
Flood Forecasting  
Agreement - 2017



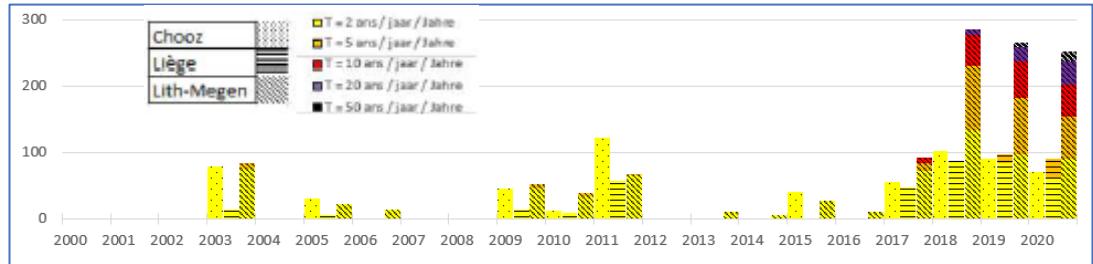
# From Floods...



# ...to Droughts



CIM-Avis d'étiage Meuse Semaine 43						
Station située en :	Rivière	Station hydrométrique de référence	semaine 31	semaine 32	semaine 33	semaine 34
			m³/s	m³/s	m³/s	m³/s
France	Mouzon	Velaine (80)	0,07	0,06	0,06	0,05
France	Vire	Soulaines (88)	0,52	0,52	0,50	0,47
France	Meuse	Chalaines (55)	0,75	0,63	0,54	0,51
France	Meuse	Saint Mihiel (55)	2,7	2,4	2,1	2,0
France	Meuse	Stenay (55)	7,35	6,95	5,12	4,90
France	Chiers	Montigny/ Chiers (54)	1,53	1,39	1,12	1,03
Wallonie	Chiers	Torgny	3,53	3,59	2,68	2,57
France	Chiers	Chievres le Château (55)	8,0	7,5	7,1	6,9
Wallonie	Semois	Hembre	1,88	1,74	1,53	1,10
France	Semois	Haudainne (08)	1,9	1,7	1,4	1,2
France	Meuse	Choze (08)	26,91	25,02	23,19	21,59
Wallonie	Liege	Gondron	2,50	2,39	2,07	1,97
Wallonie	Sambre	Namur	5,63	4,60	4,21	4,63
Wallonie	Meuse	Anney	43,39	38,44	36,84	30,80
Wallonie	Ournthe	Tabreux	2,20	2,10	1,79	1,51
Wallonie	Meuse	Liege (station calculée) <sup>1</sup>	50,48	45,30	43,02	34,80
Wallonie	Meuse	Monsin (station calculée) <sup>2</sup>	56	55	45	52
Pays-Bas	Meuse	St. Pieter	39	36	31	37
Pays-Bas	Meuse	Boskamp-dorp <sup>3</sup>	13	10	12	20
Pays-Bas	Roer	Roermond	9	9	8	13
Pays-Bas	Meuse	Lith-boven	41	39	23	29



Low-water notice since 2017

# ...to Droughts

Plan of approach for the management of exceptional low water events in the Meuse catchment area – 2020



Plan d'approche pour la gestion des étages exceptionnels dans le bassin versant de la Meuse

Décembre 2020

## 3 questions:

- What is an exceptional low-water event in the Meuse basin?
- What are their concrete consequences?
- How can we deal with such a situation?

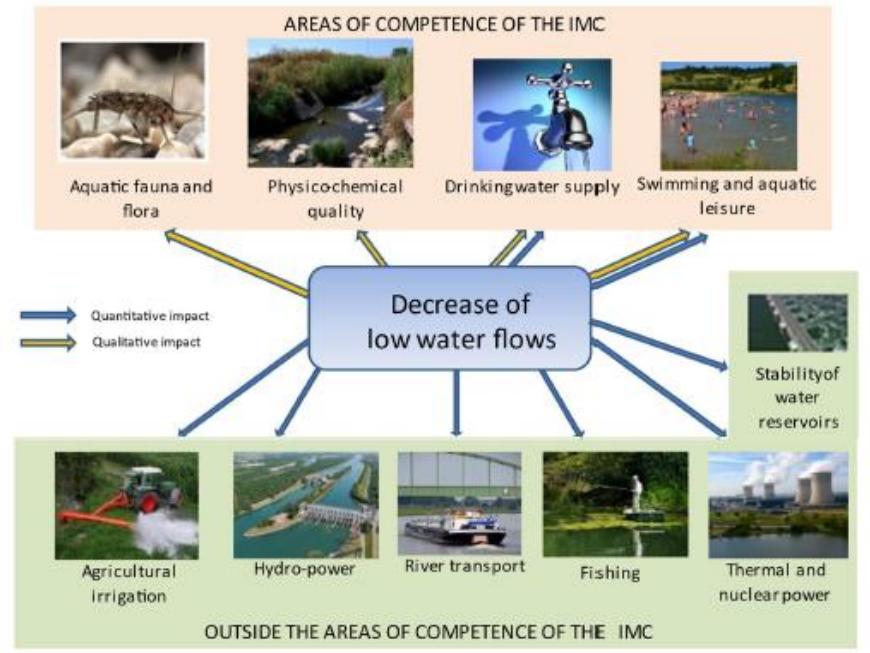
Frequent low-water level T > 2 ans	Less frequent low-water level T > 5 ans	Rare low-water level T > 10 ans	Very rare low-water level T > 20 ans	Extremely rare low-water level T > 50 ans
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Data from 1960 to 2018

# ...to Droughts

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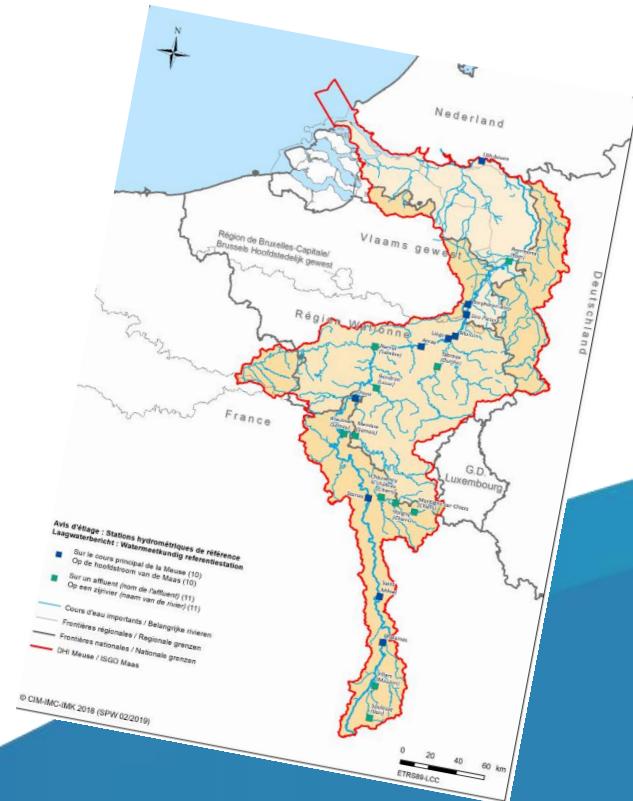
+ Potential effects of climate change on the evolution of low water flows

# ...to Droughts

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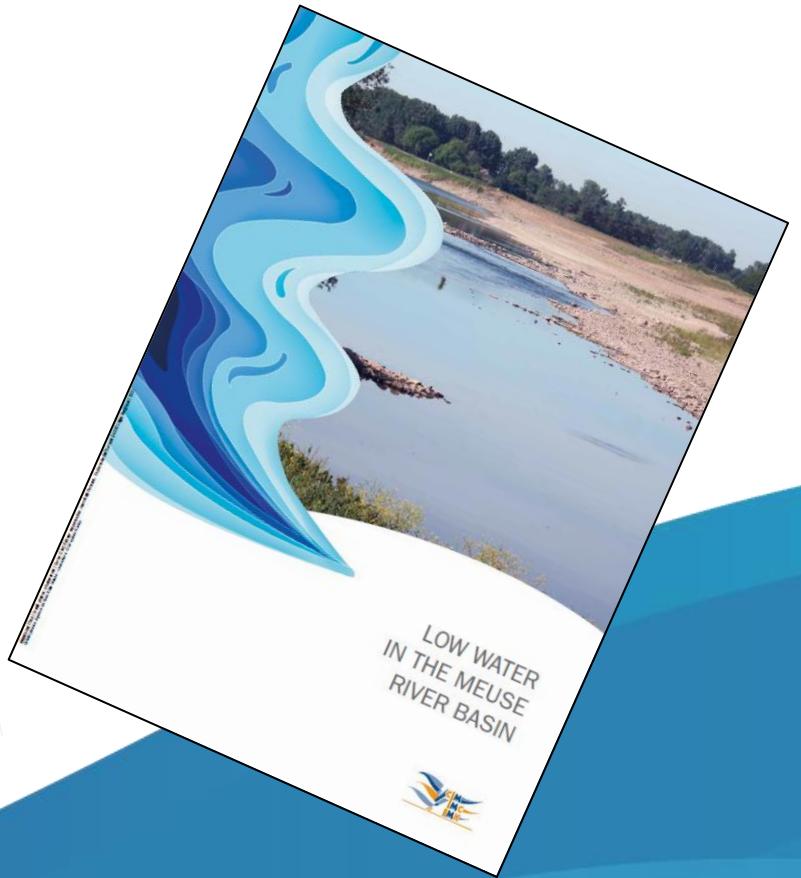
The screenshot shows the homepage of the International Commission for the Protection of the Meuse (CIM-IMC-IMK). The header includes the organization's logo and language links (NL DE). The main content area is titled "Avis d'étiage commun" (Common Drought Alert) and features a photograph of a river scene with a boat labeled "Tora-Ze". The footer contains a copyright notice: "© CIM-IMC-IMK 2018 (SPW 02/2018)".

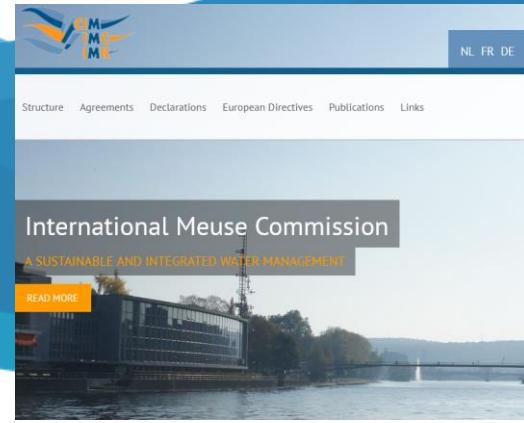


# ...to Droughts

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# Thank you for your attention

Visit us on [www.meuse-maas.be](http://www.meuse-maas.be)

Follow us on LinkedIn

The LinkedIn profile page for the International Meuse Commission. It features a large background image of a river at sunset. The profile picture is the same IMC logo as the website. The page title is "INTERNATIONAL MEUSE COMMISSION" with the subtitle "Environmental Services · Liège · 147 followers". Below this, it says "See 1 employee on LinkedIn". There are three buttons at the bottom: "Following" (with a checkmark), "Learn more" (with a person icon), and "More". At the very bottom, there is a navigation bar with links for Home, About, Posts, Jobs, People, and Events.