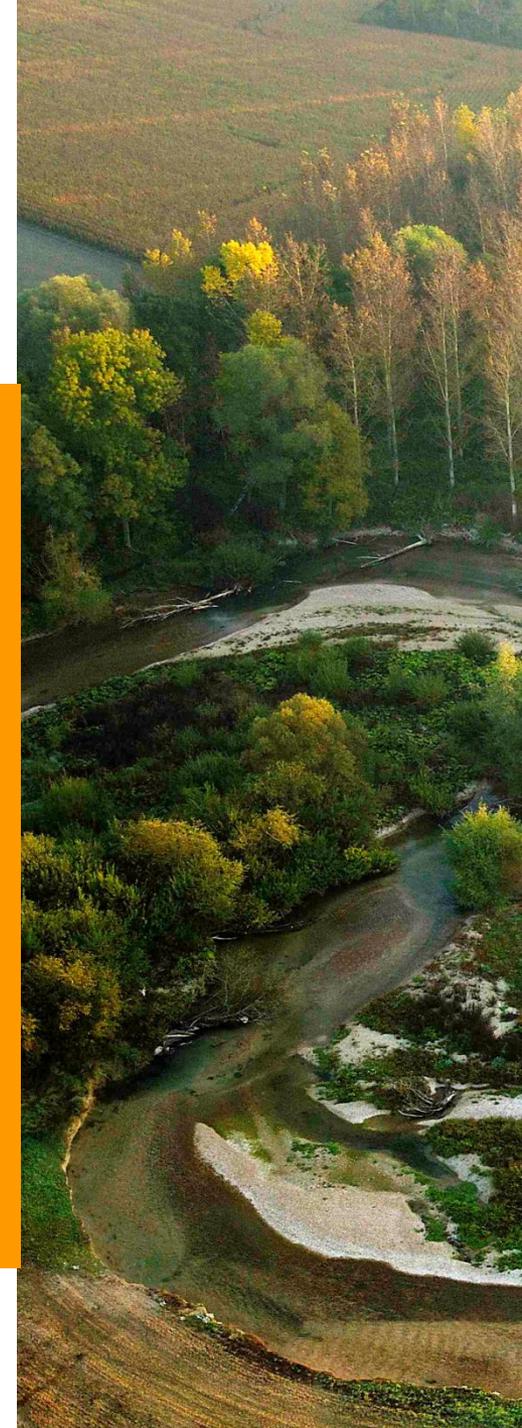


Improving knowledge for adaptation to climate change

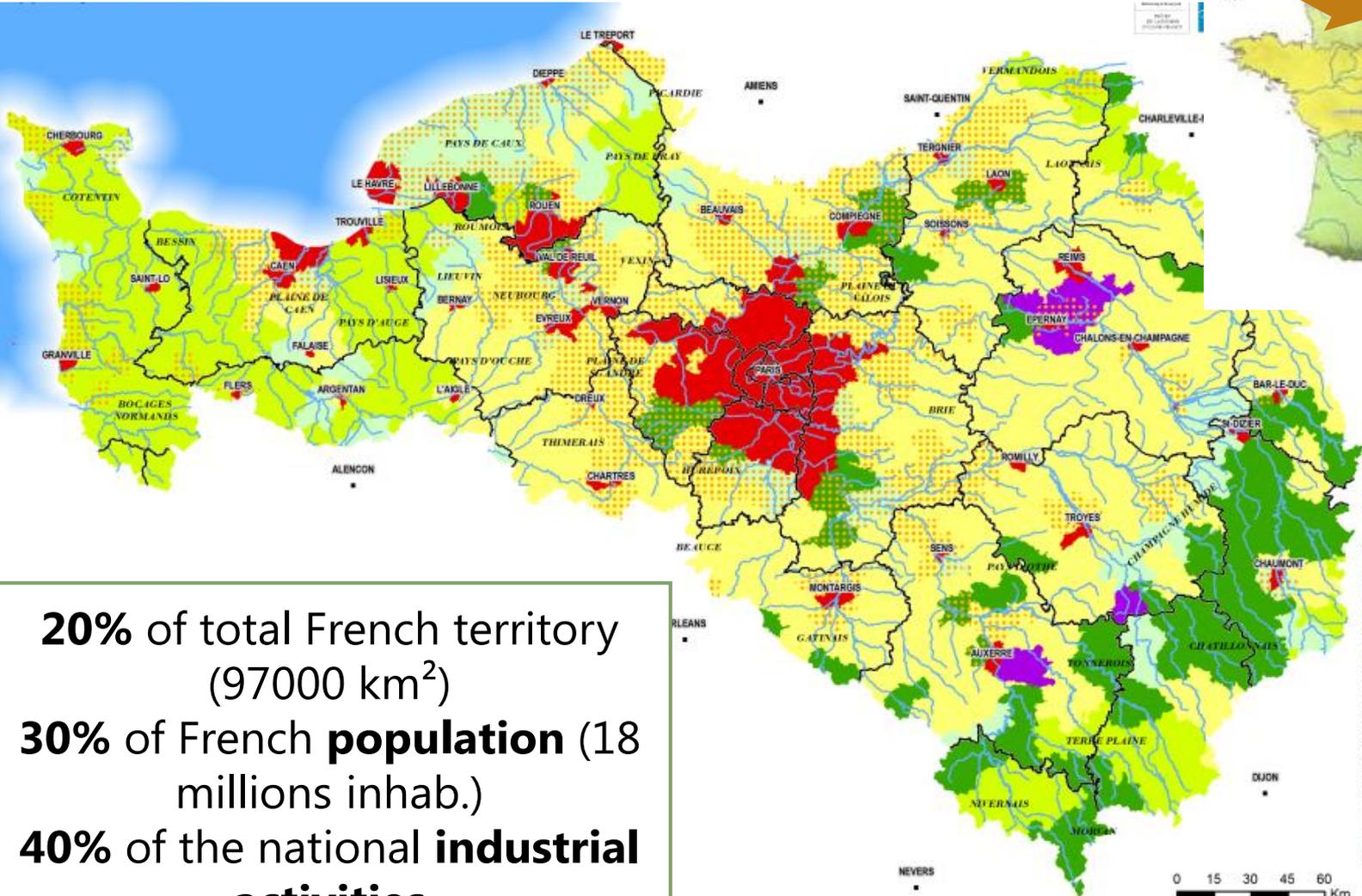
**Patricia BLANC, Director General
The Seine-Normandy Water Agency**

Water and Climate
Meeting of the Great Rivers of the World
Rome, 23-25 October 2017





The Seine-Normandy River Basin



Sources : OGRE, RA 2010, AESNDRRIE, Etat des lieux, Mars 2013

20% of total French territory
(97000 km²)

30% of French **population** (18
millions inhab.)

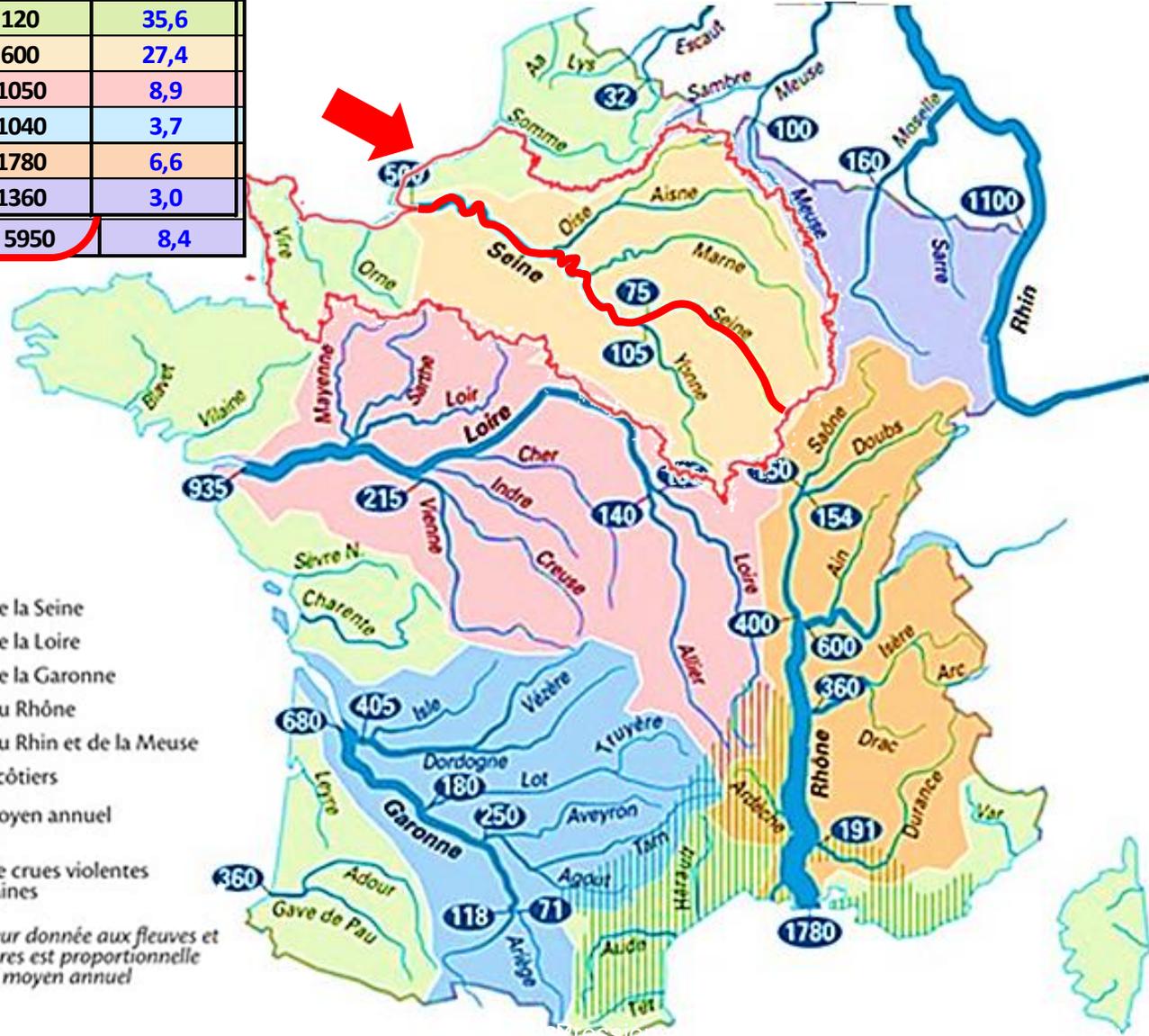
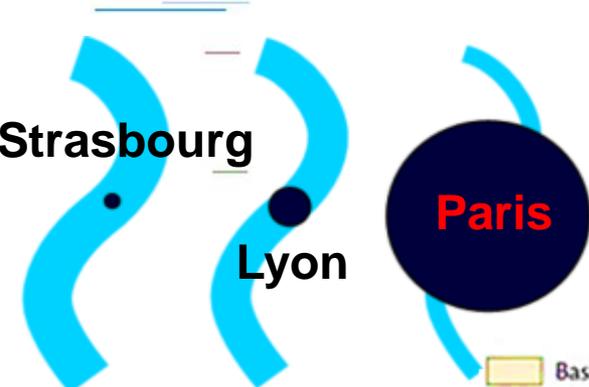
40% of the national **industrial
activities**

60% of its area covered by
agriculture



The Seine-Normandy River Basin

AE	Pop. M.hbts	Pop. ANC	Pop. AC	Q(m3/s)	Pop AC/Q
AP	4,7	0,43	4,27	120	35,6
SN	18,2	1,78	16,43	600	27,4
LB	13	3,65	9,35	1050	8,9
AG	7	3,13	3,88	1040	3,7
RM&C	14	2,19	11,81	1780	6,6
RM	4,3	0,29	4,01	1360	3,0
France	61,2	11,46	49,74	5950	8,4



Climate change and water within the Seine-Normandy River Basin, what we know

Increase of around **2°C** of surface water by 2100

Reduction of rainfalls by around **12%** by 2100

Increase of evapo-transpiration around **16%** by 2050
and around **23%** by 2100

Reduction of water flows by **10** to **30%** by 2070-2100

Reduction of groundwater recharge by around **16%** by
2050 and around **30%** by 2100

Uncertainties about the impact on floods



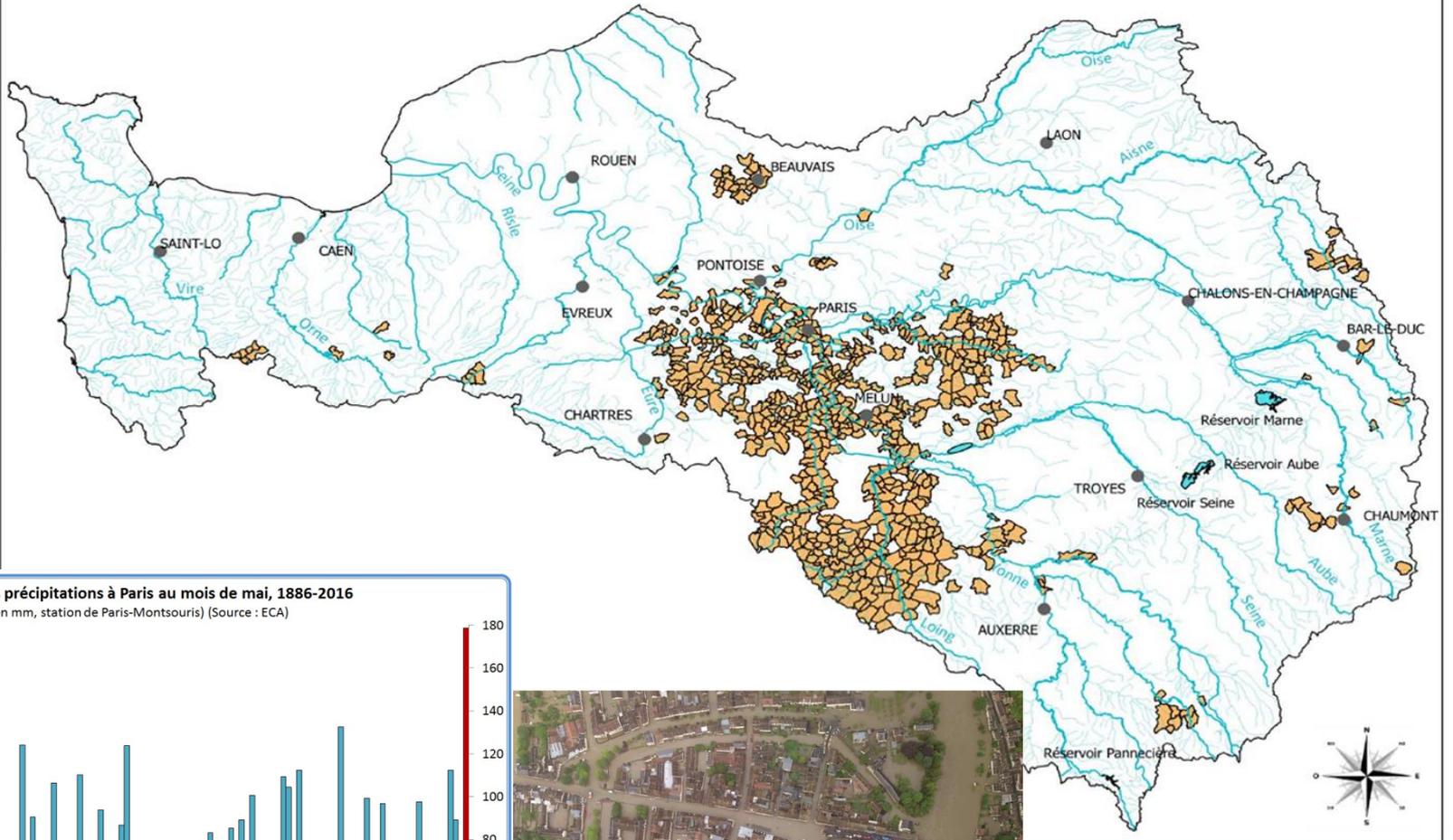
Risks for SN
territories
and
population



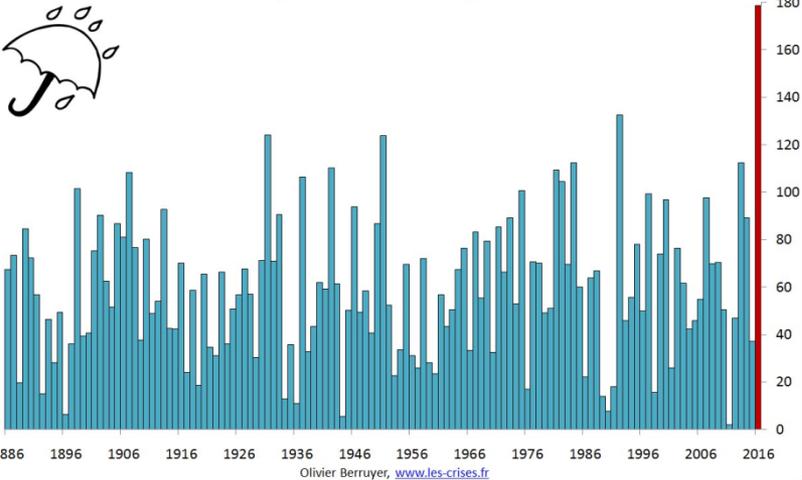
eau
seine
NORMANDIE

An exceptional flood in the Seine in June 2016

ARRETES CAT NAT (Inondation et coulées de boues 9 et 16 juin 2016)



Cumul des précipitations à Paris au mois de mai, 1886-2016
(en mm, station de Paris-Montsouris) (Source : ECA)



From project to commitment




eau seine NORMANDIE
Comité de bassin

STRATÉGIE D'ADAPTATION AU CHANGEMENT CLIMATIQUE DU BASSIN SEINE-NORMANDIE

ADOPTÉE À L'UNANIMITÉ PAR LE COMITÉ DE BASSIN LE 8 DÉCEMBRE 2016

ENSEMBLE DONNONS VIE À L'EAU
Agence de l'eau
Établissement public
du ministère de l'Environnement

PRÉFET DE LA RÉGION D'ÎLE-DE-FRANCE
Département Régional d'Intercommunalité de l'Environnement et de l'Eau

We must not let uncertainty stop us from acting !



Thank you for your attention

<http://www.eau-seine-normandie.fr/domaines-d-action/adaptation-au-changement-climatique/engagement>

