



Réseau de transport d'électricité

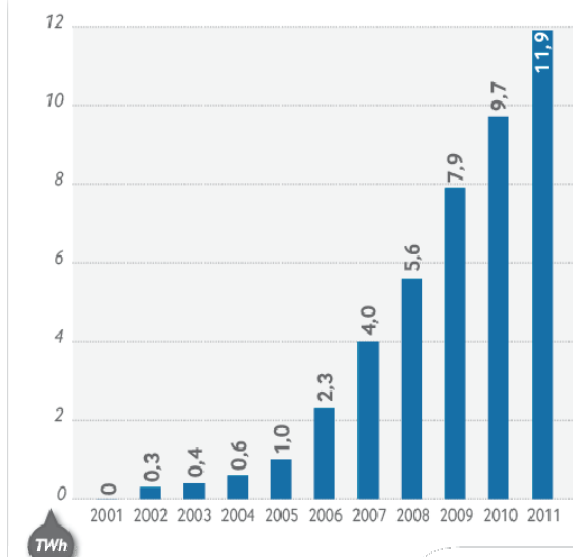


Neue Netze? Ja bitte!

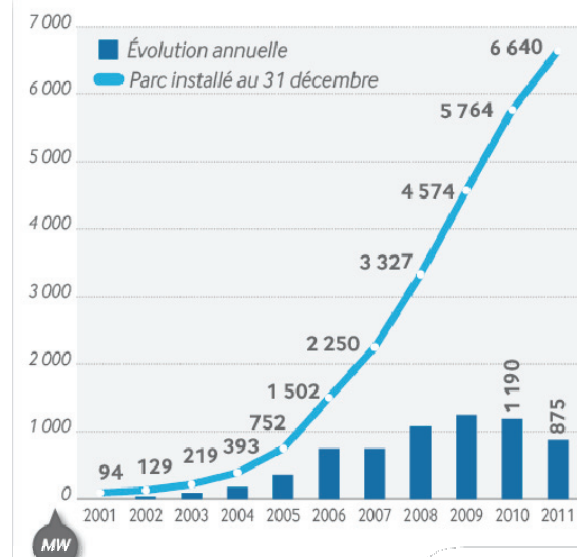
Conférence sur l'intégration des EnR aux réseaux
électriques - Ambassade de France à Berlin, 22 mai 2012

WIND GENERATION

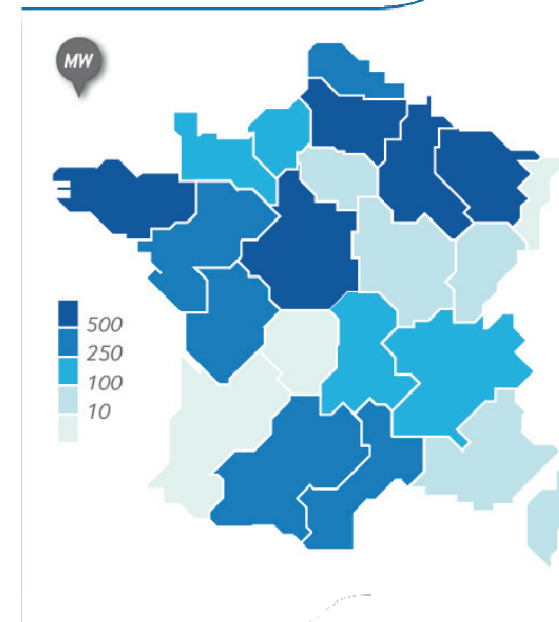
Production éolienne



Parc éolien

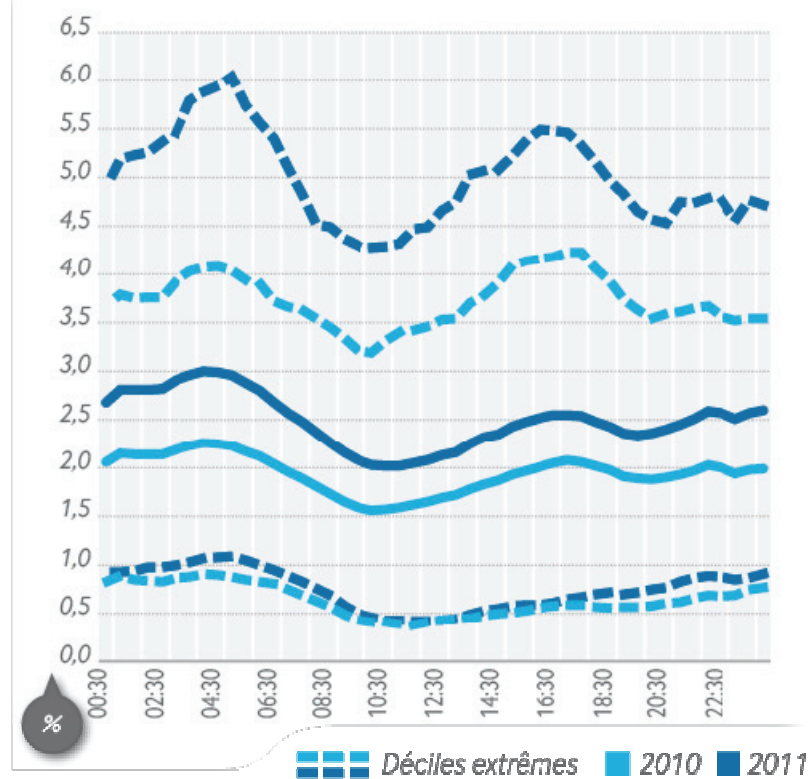


Parc éolien

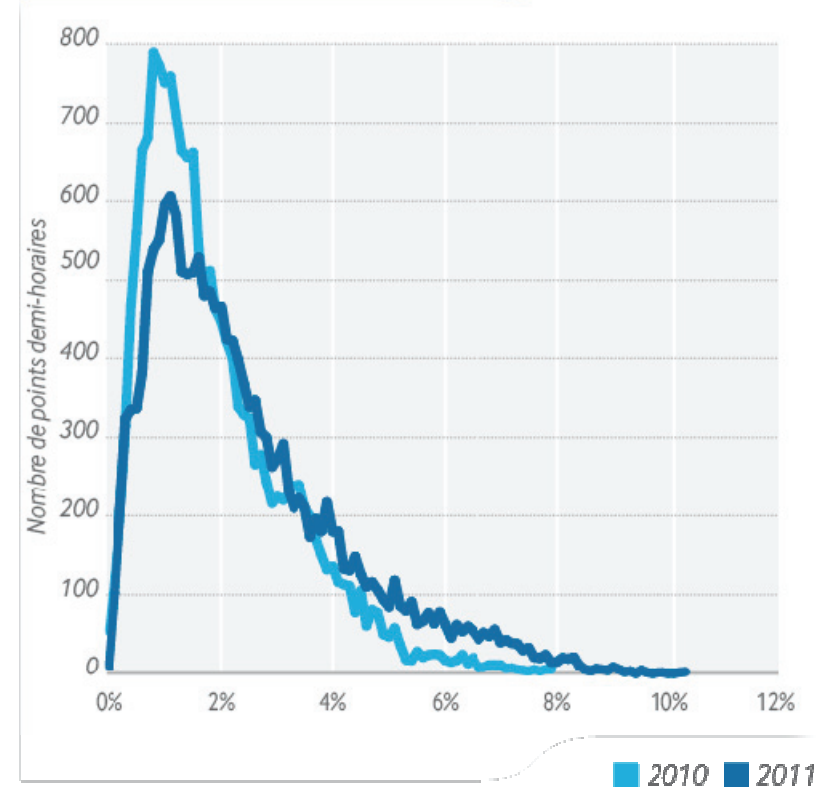


WIND LOAD FACTOR

**Taux de couverture
demi-horaire de la consommation
par la production éolienne
(moyenne et déciles extrêmes)**

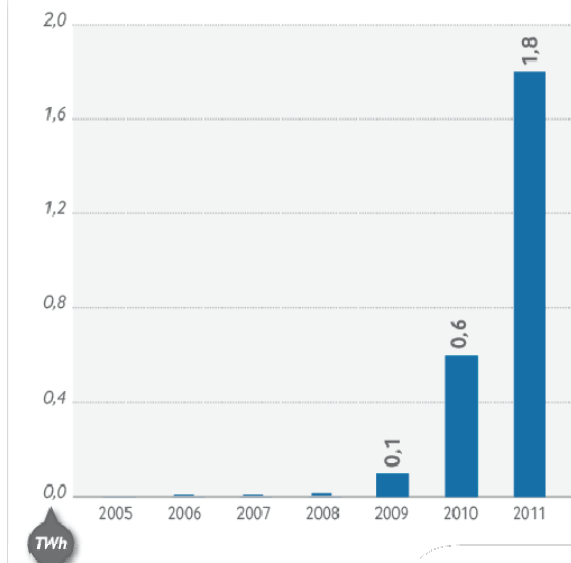


**Répartition du taux
de couverture
de la consommation
par la production éolienne**

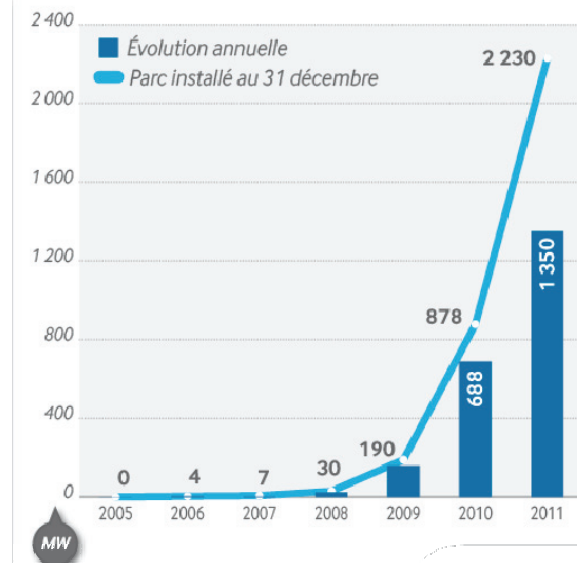


PHOTOVOLTAIC GENERATION

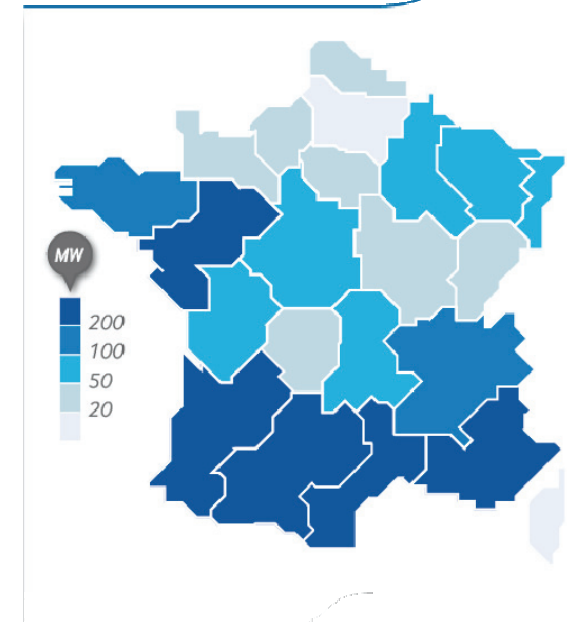
Production photovoltaïque



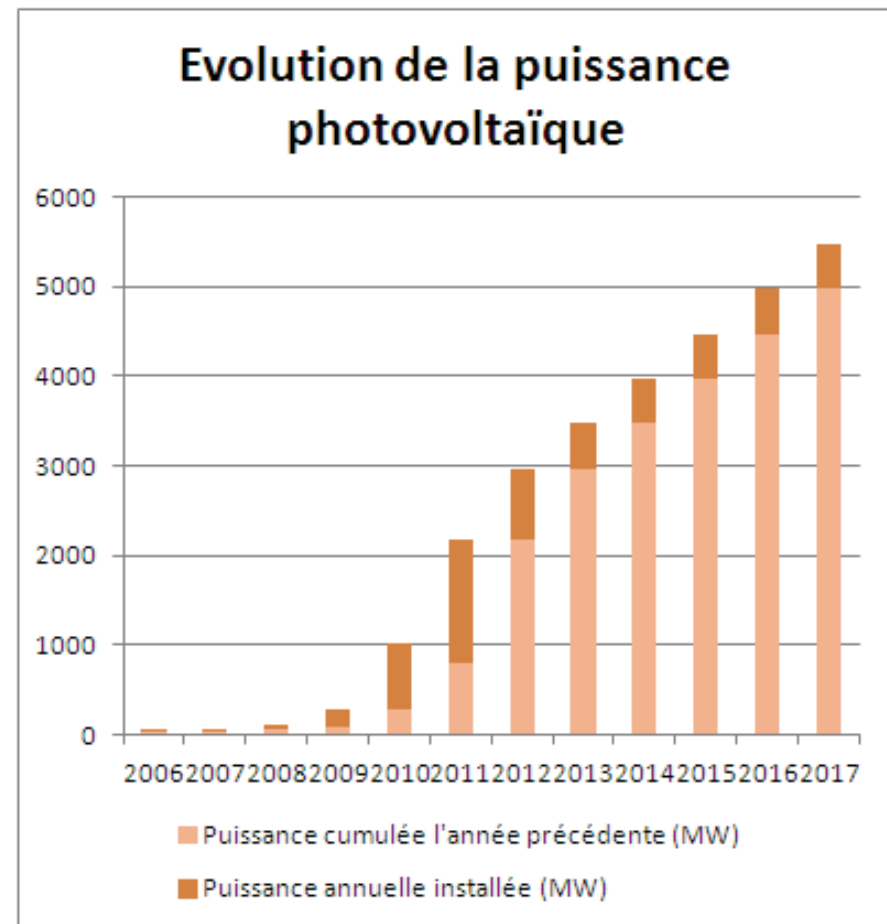
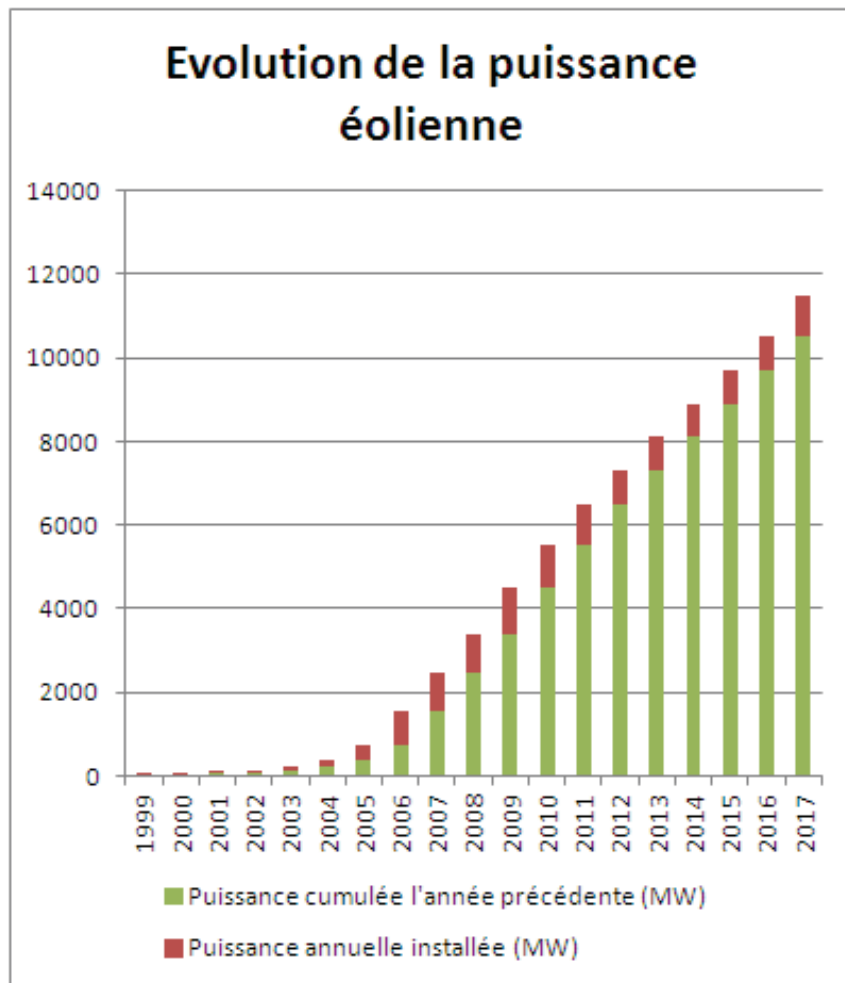
Parc photovoltaïque



Parc photovoltaïque



WIND AND PHOTOVOLTAIC GENERATION OUTLOOK

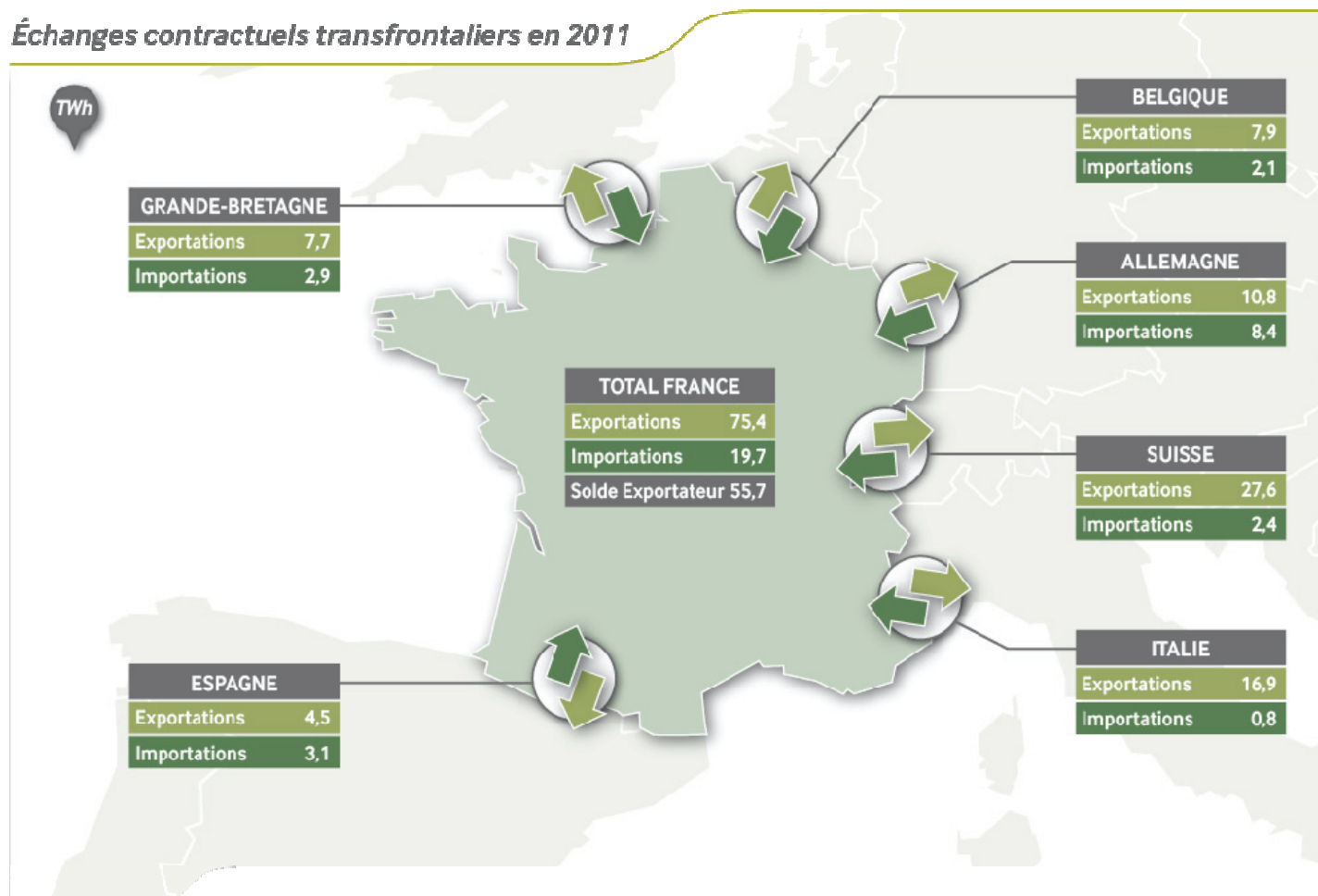


OFFSHORE WIND POWER



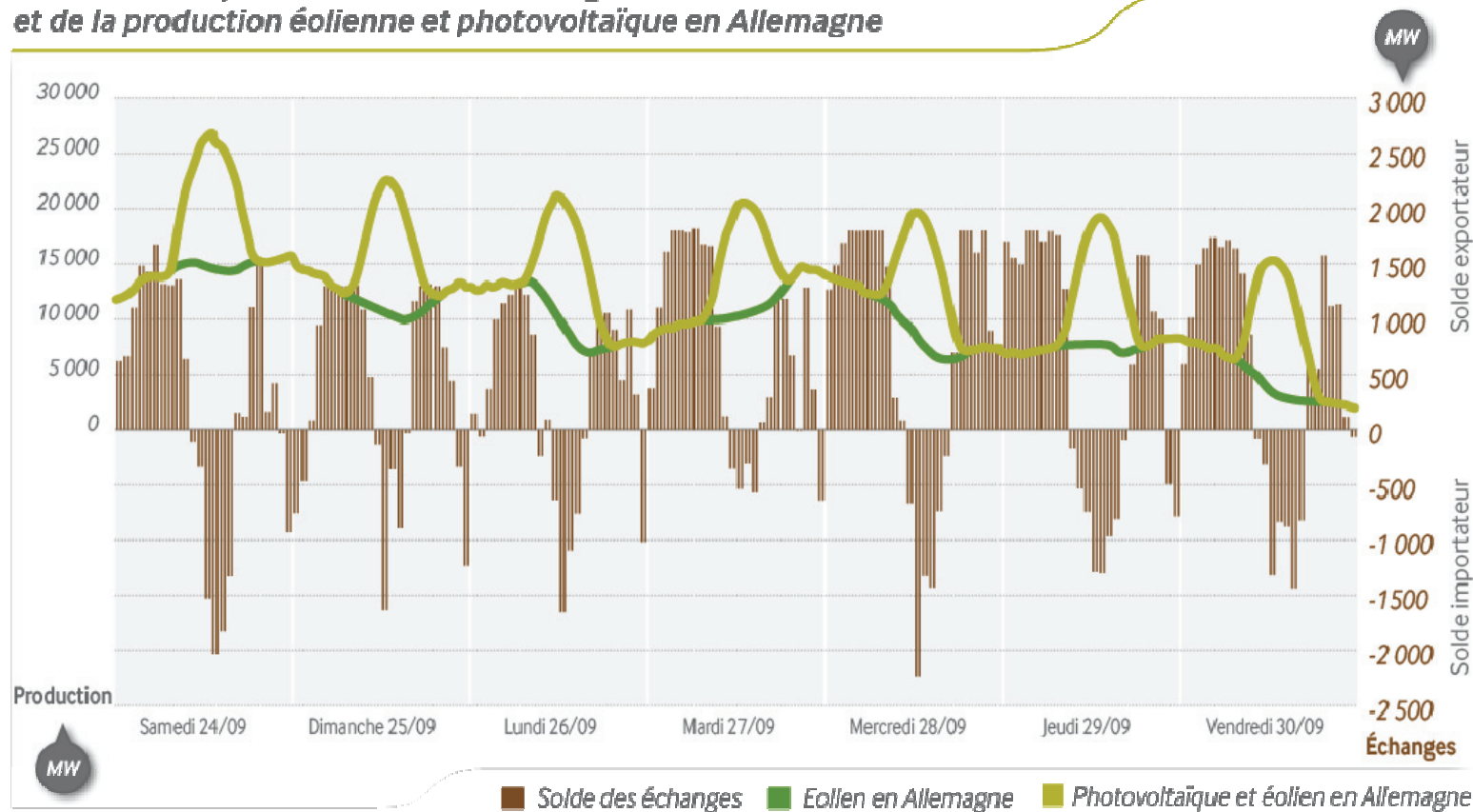
CROSS BORDER EXCHANGE

Échanges contractuels transfrontaliers en 2011



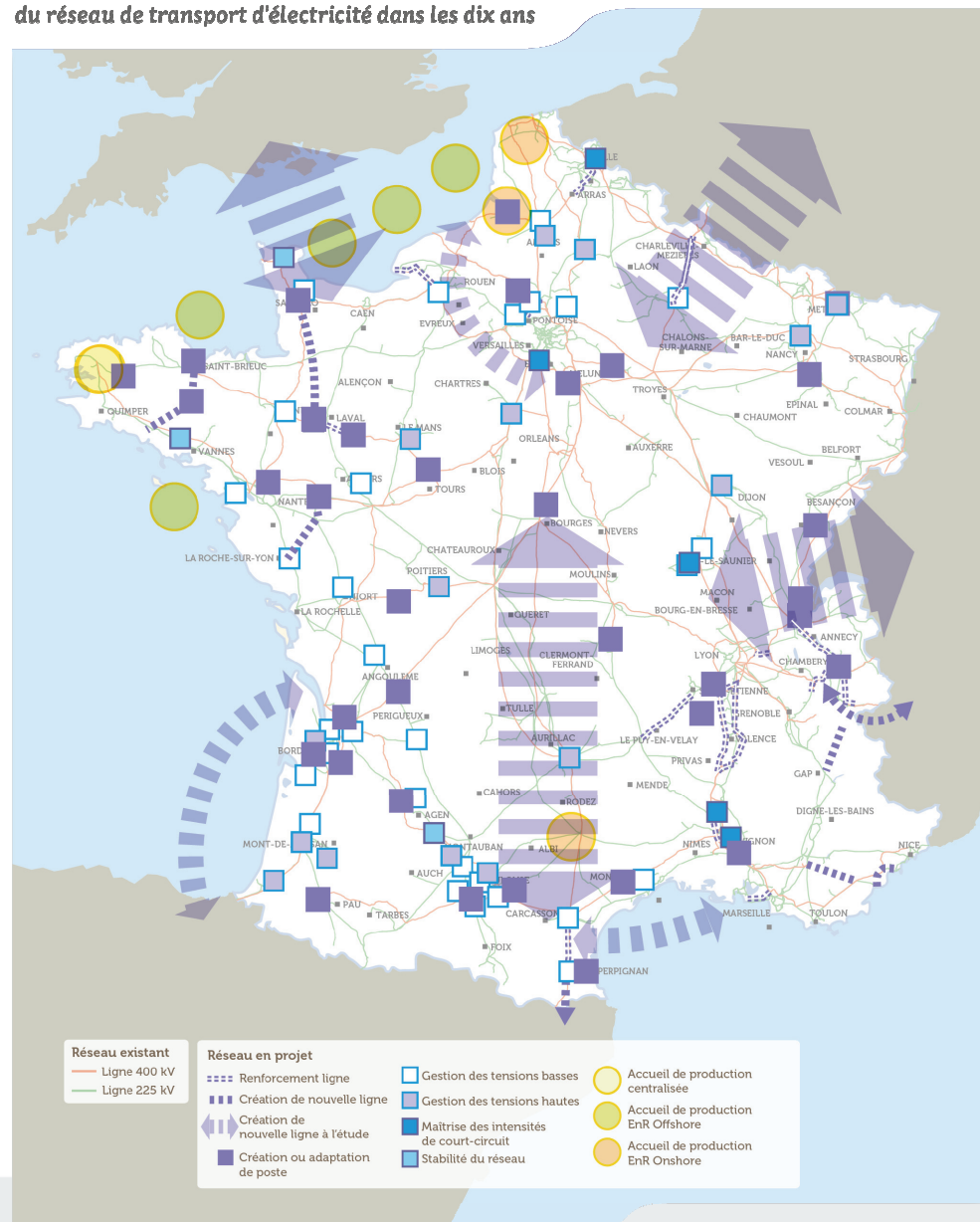
FLOWS BETWEEN GERMANY AND FRANCE

Évolution comparée du solde des échanges sur la frontière franco-allemande et de la production éolienne et photovoltaïque en Allemagne

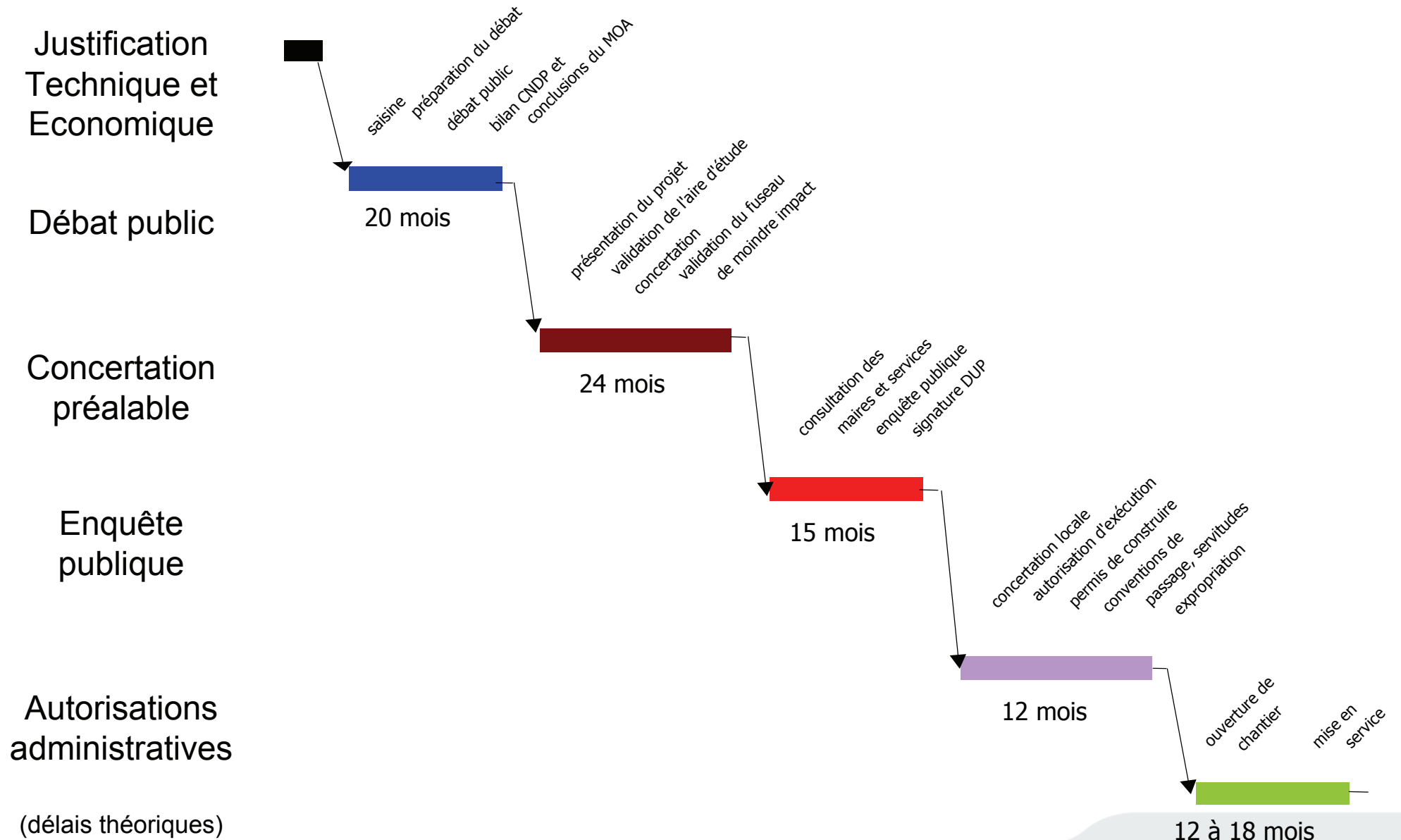


TEN-YEAR NETWORK DEVELOPMENT PLAN

Localisation des principaux investissements de développement
du réseau de transport d'électricité dans les dix ans



ADMINISTRATIVE PROCEDURES



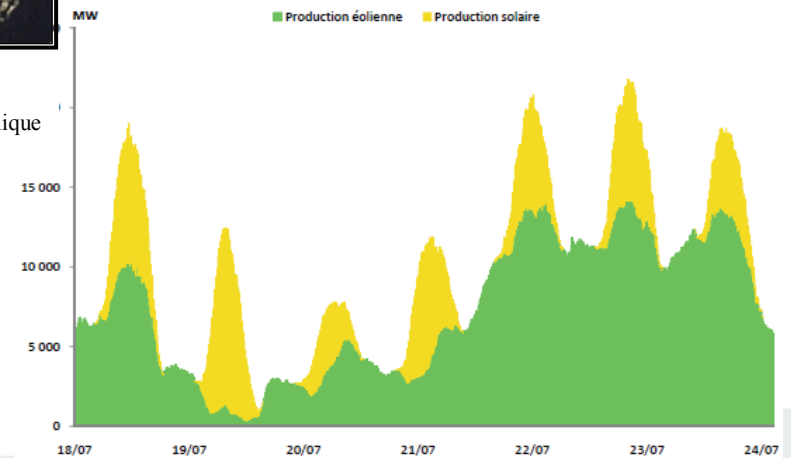
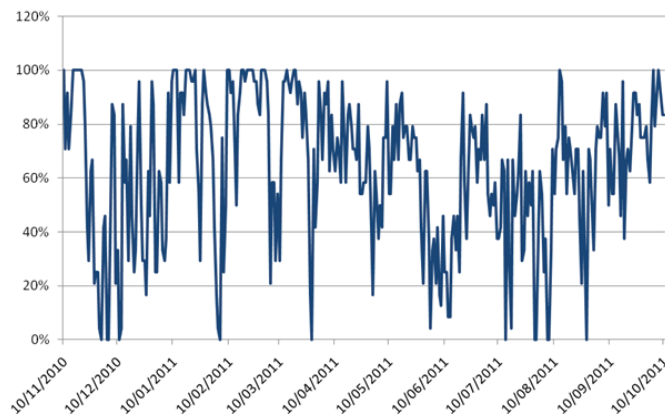
THE NEED TO ADAPT THE NETWORK OVER THE LONG TERM

De fortes concentrations de moyens de production
solaires et éoliens



Solaire Eolien Nouvel hydraulique

CONVERGENCE ENTRE EPEX SPOT FR ET ALL



THREE MAIN CHALLENGES

- *GEOGRAPHICAL CHALLENGE*
- *INTERMITTENCE AND SYSTEM OPERATION*
- *TIMESCALE*