



ASSISES DE L'ENERGIE DUNKERQUE

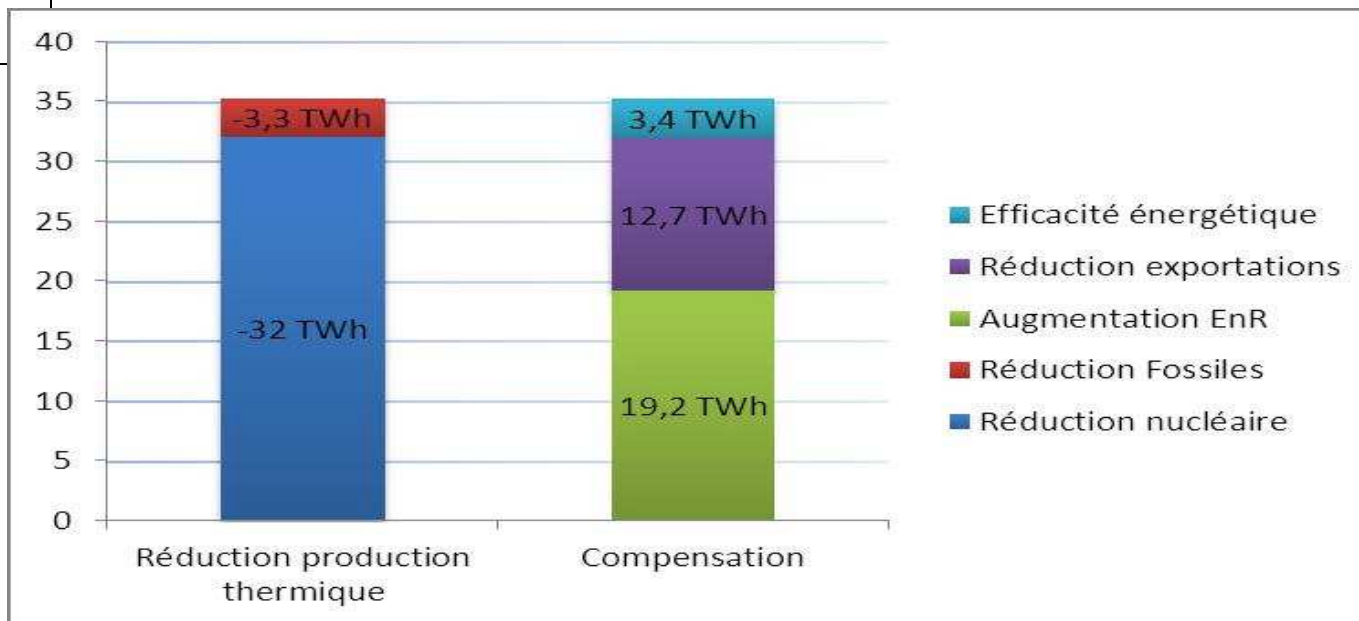
Michel Colombier

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Production électrique 2010 - 2011

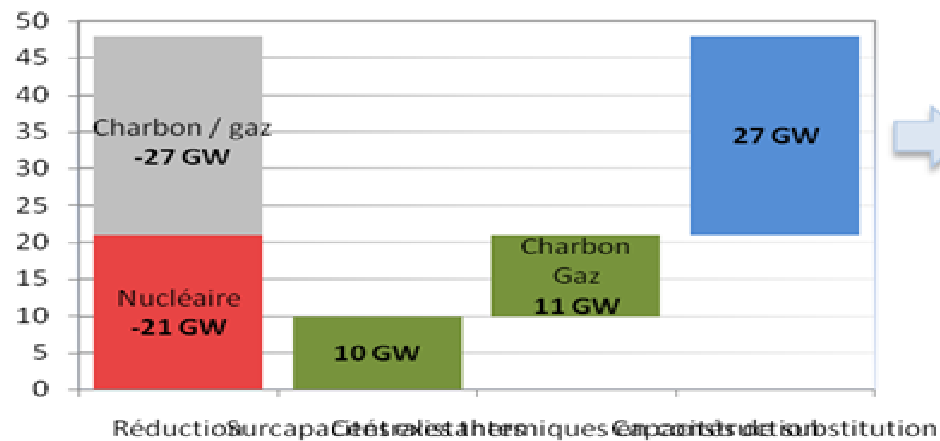


AG Energiebilanzen 2011 (provisoire)

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- Mesures de substitution**
- Efficacité énergétique
 - Energies renouvelables
 - Cogénération
 - Centrales thermiques
 - Echanges d'électricité

Source: FES 2011

Tableau 1. Comparaison des scénarios de sortie du nucléaire avec et sans prolongation

	2008	Sortie en 2022 2020	Sortie en 2034 2020
Production ex- charbon	275,2 TWh	203,1 TWh	170,4 TWh
Production ex- gaz	86,7 TWh	97,9 TWh	70,2 TWh
Emissions de GES (M. T. CO ₂ eq)	773	593	555

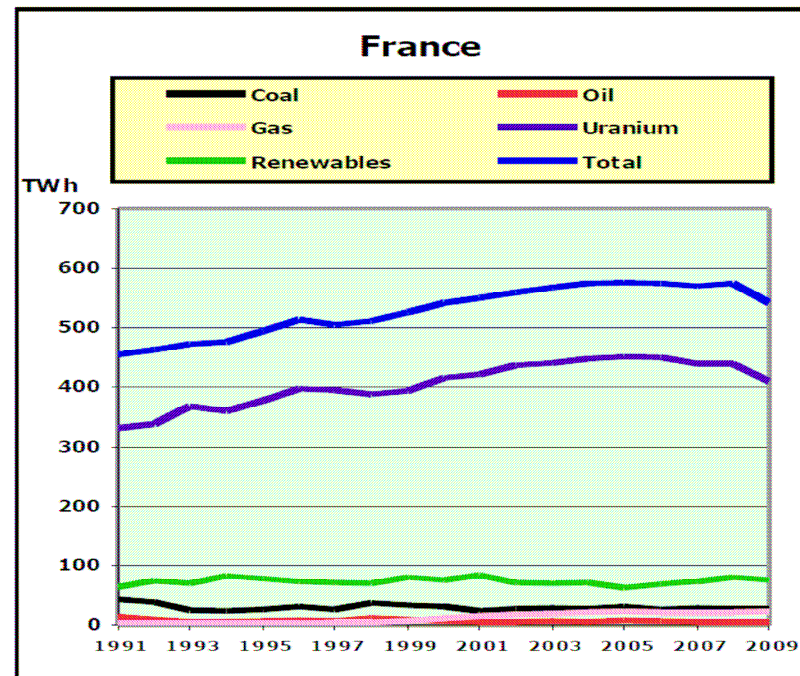
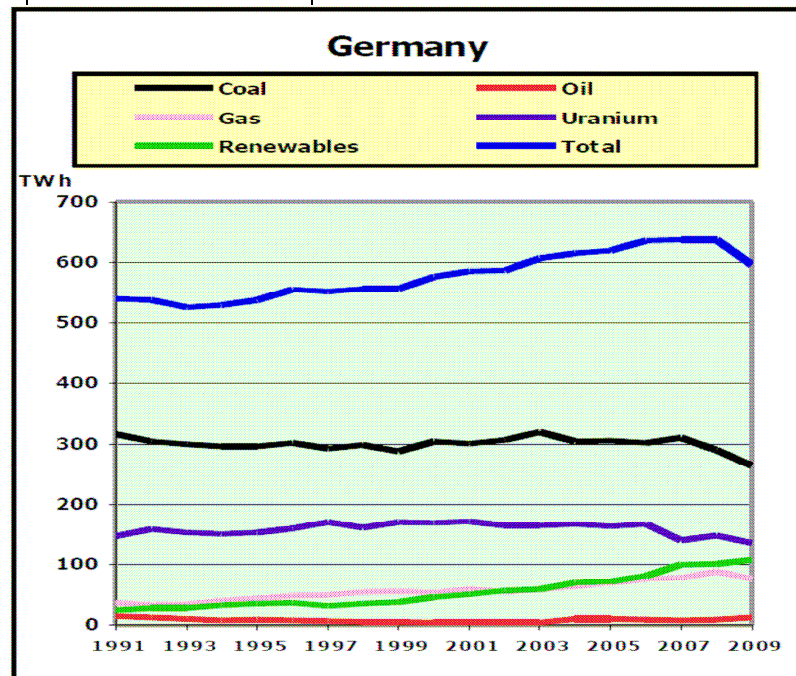
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PRODUCTION D'ELECTRICITE TOTALE

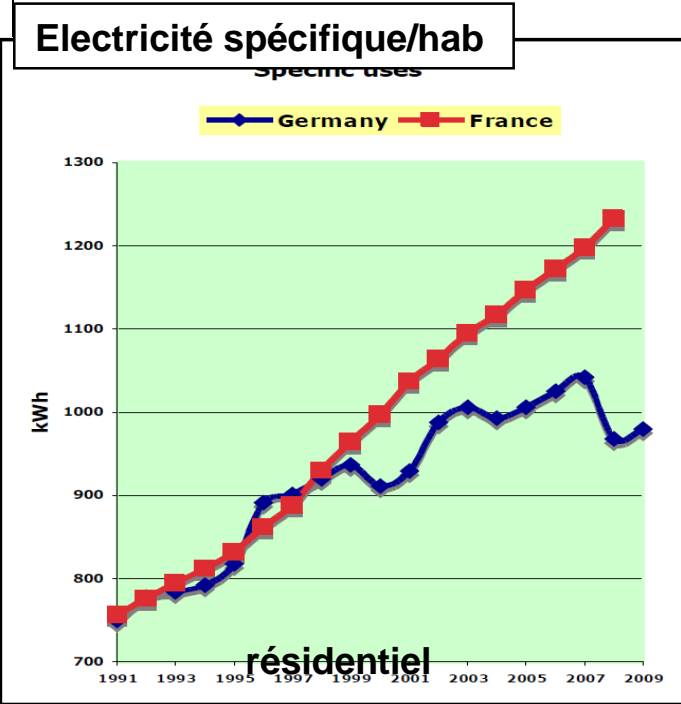
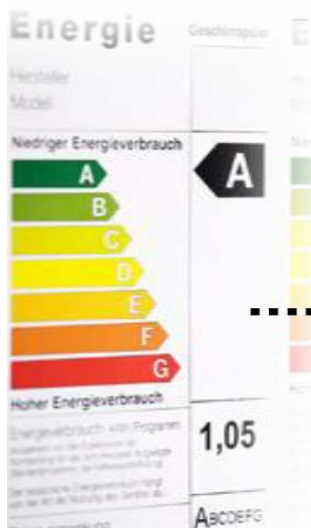


Energy in Germany and France B Laponche 2010

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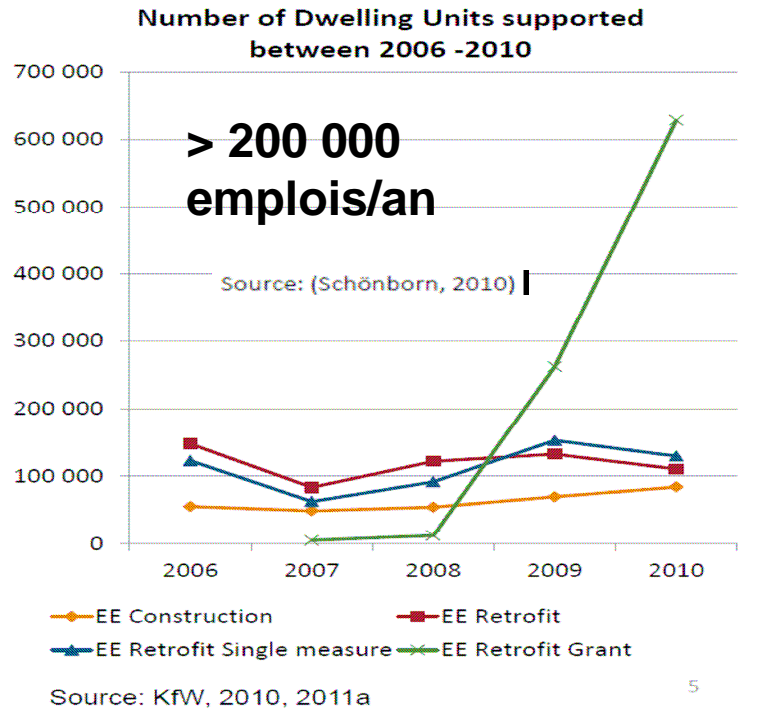
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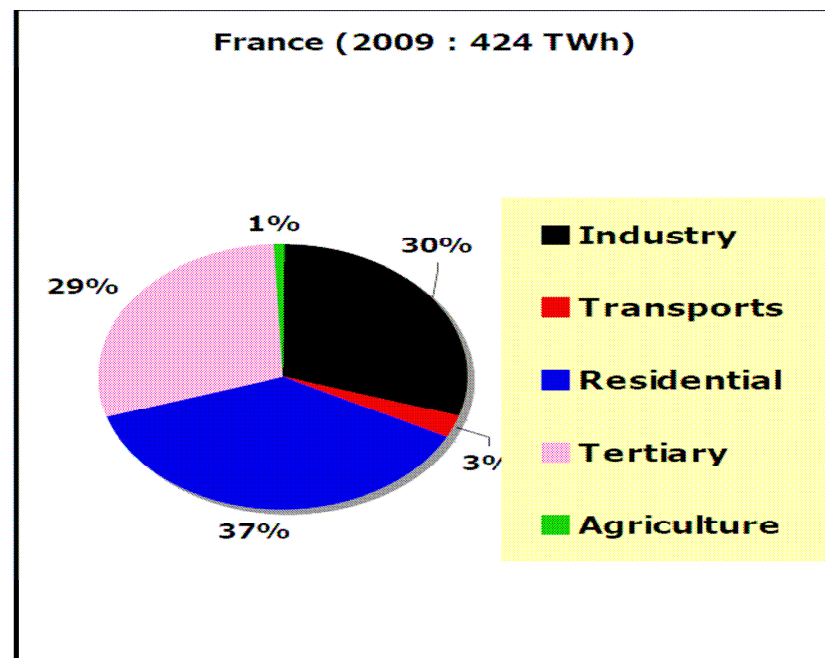
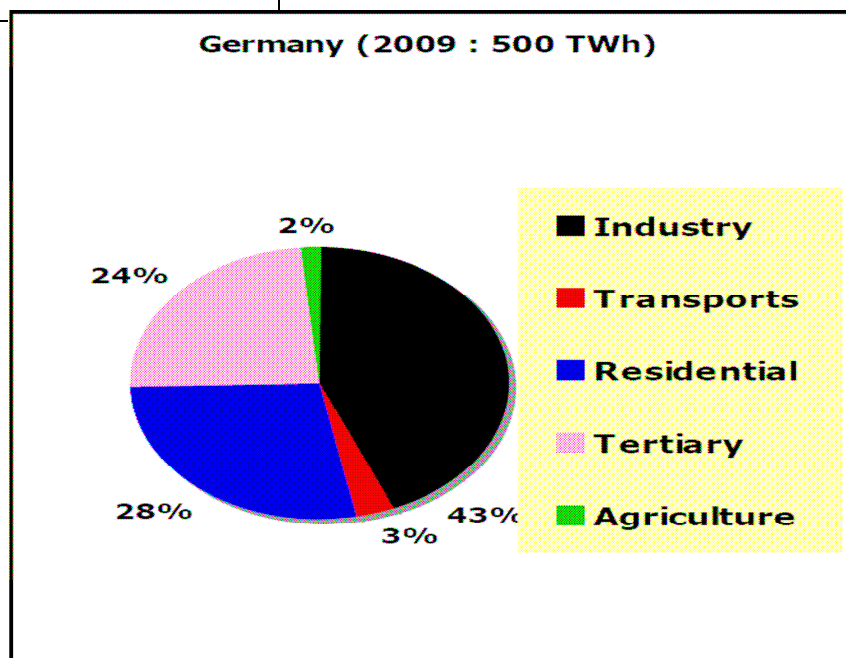
Energy-efficient construction and rehabilitation

Support via budget funds (example of 2007)



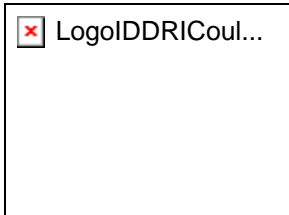
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Consommation d'électricité par secteur



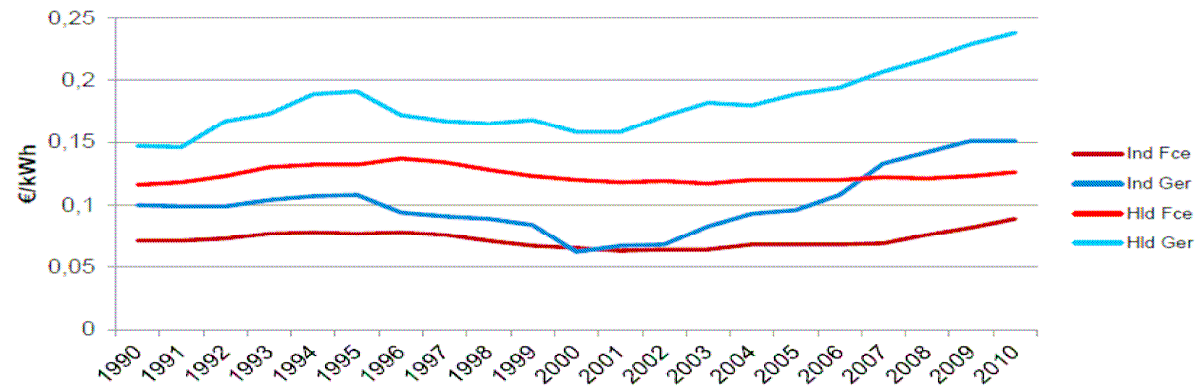
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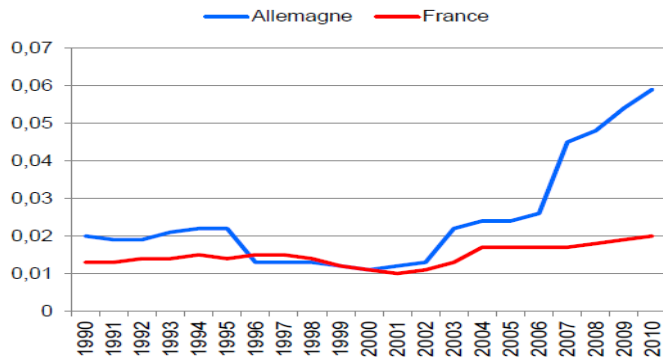


Electricity Prices – All Taxes Included

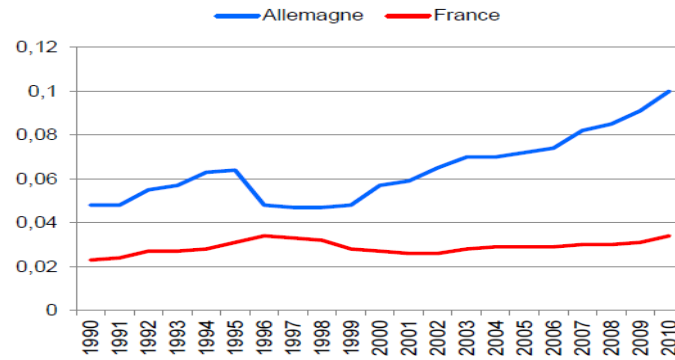
Industry (>500MWh et <2000MWh), Household >2500kWh et <5000kWh)



Taxes on Electricity for Industry (€/kWh)



Taxes on Electricity for Household (€/kWh)

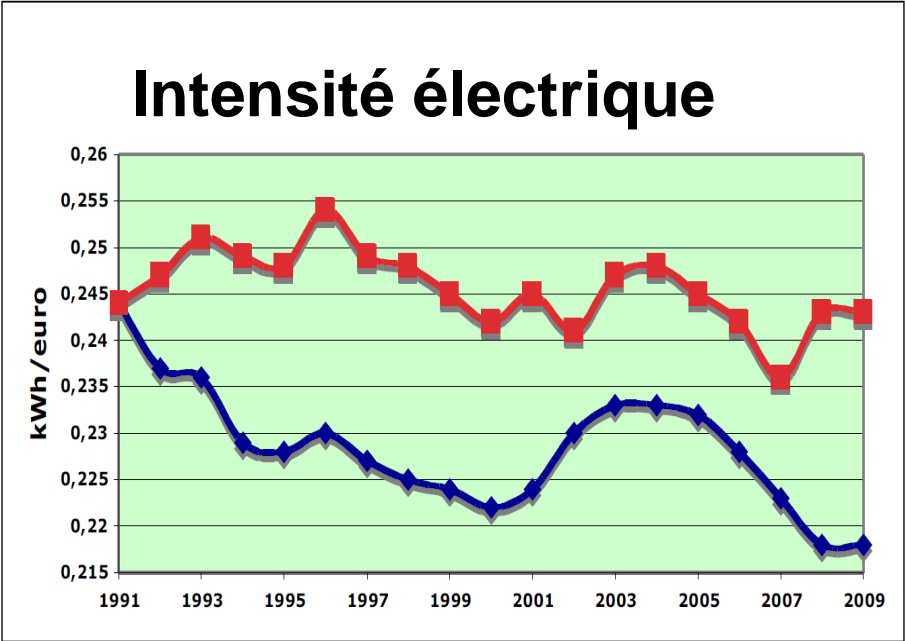
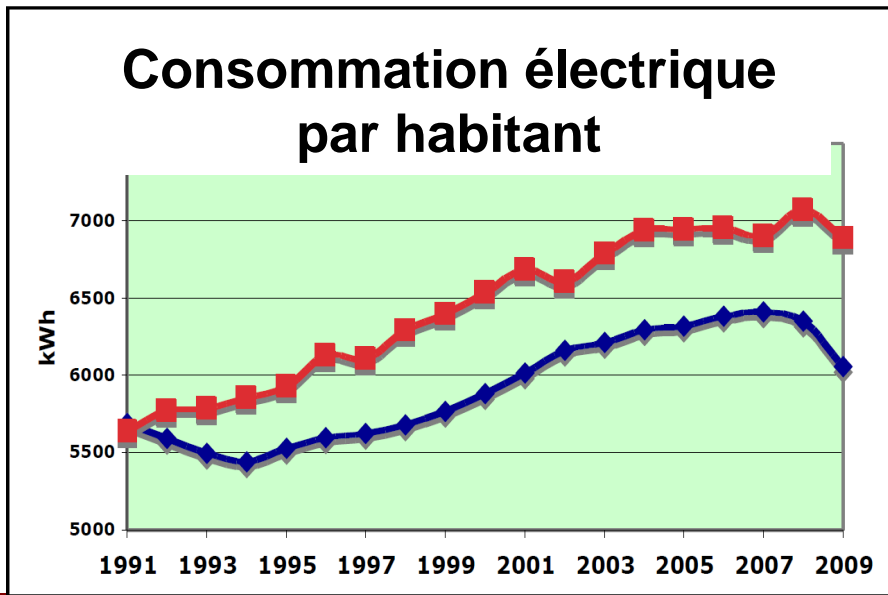


Chappoz 2011

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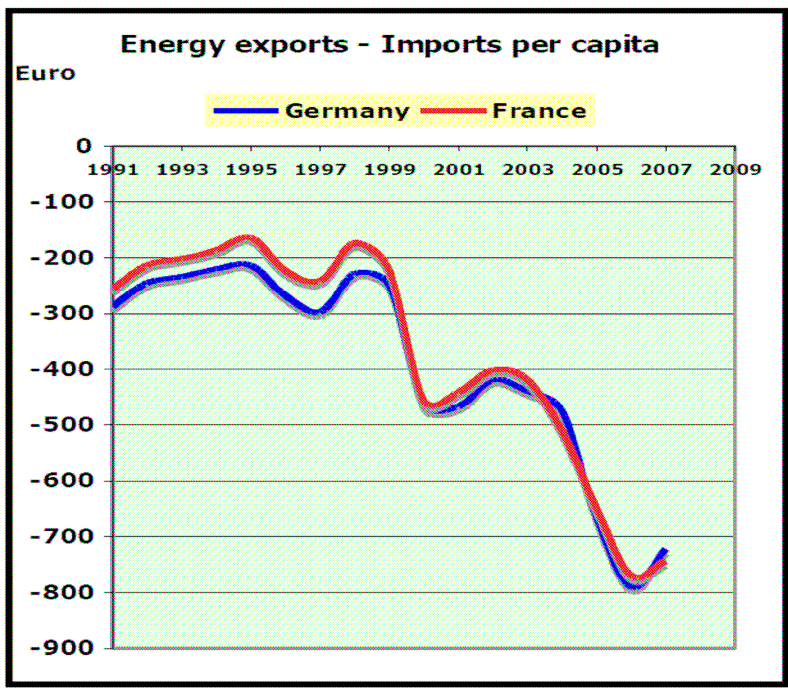
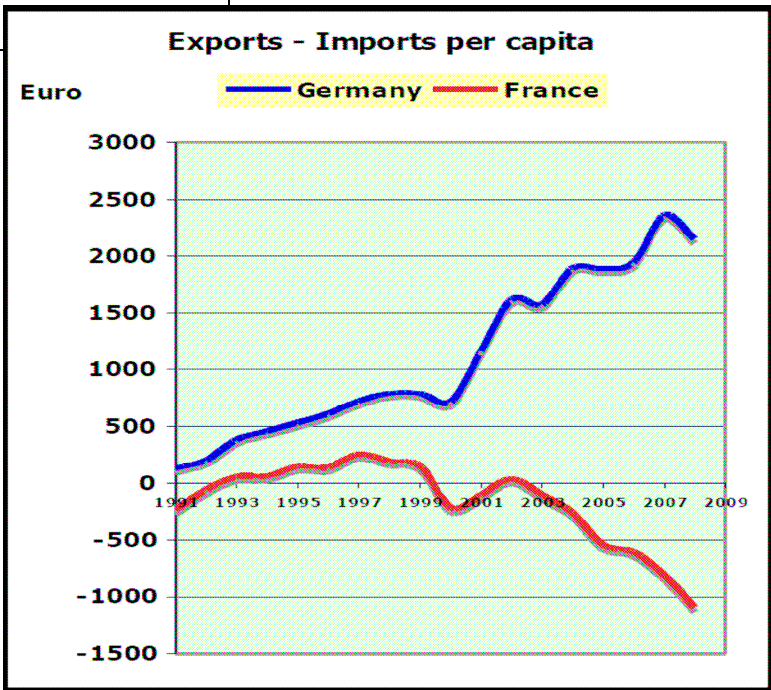
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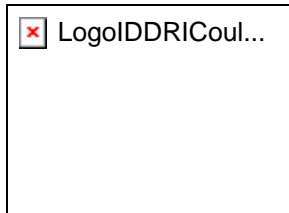
Germany France

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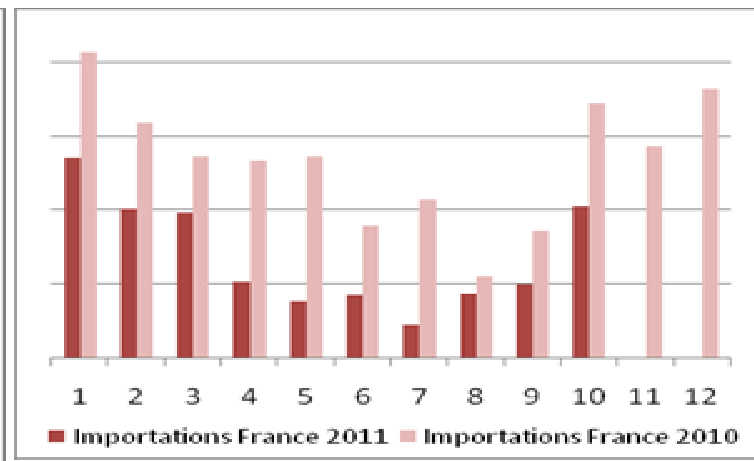
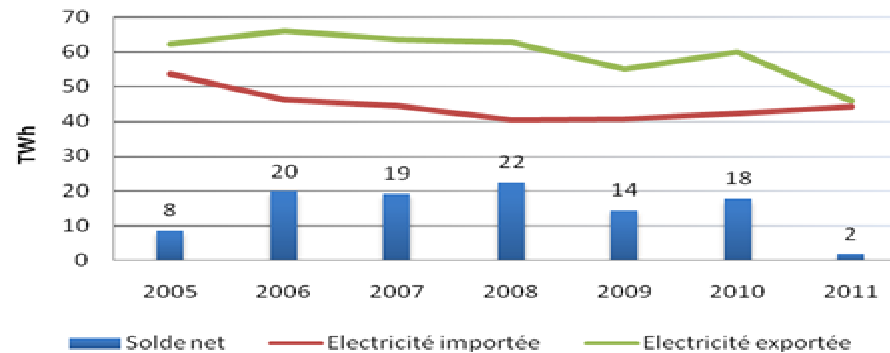
ANNEXES

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Echanges physiques d'électricité de l'Allemagne



A Ruedinger Le tournant énergétique allemand 2012

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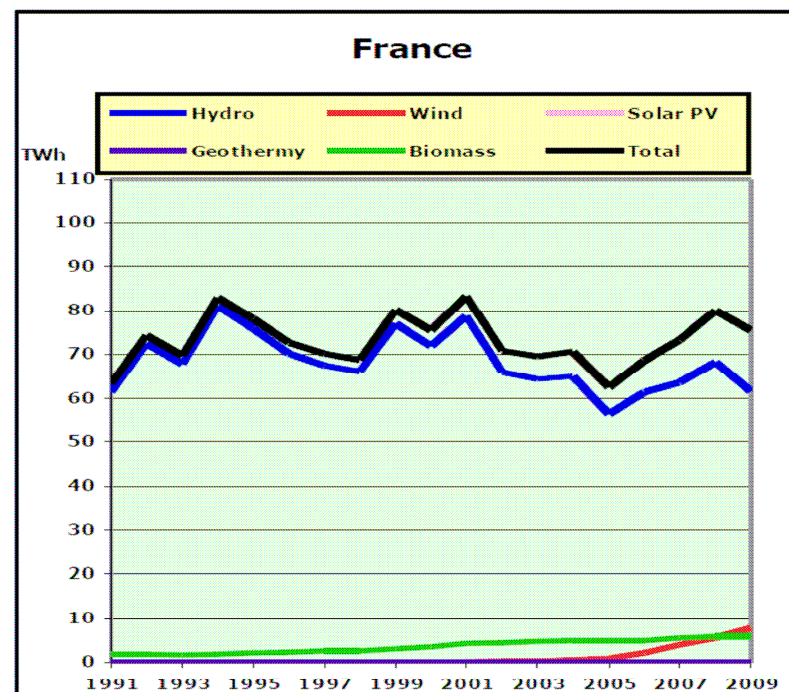
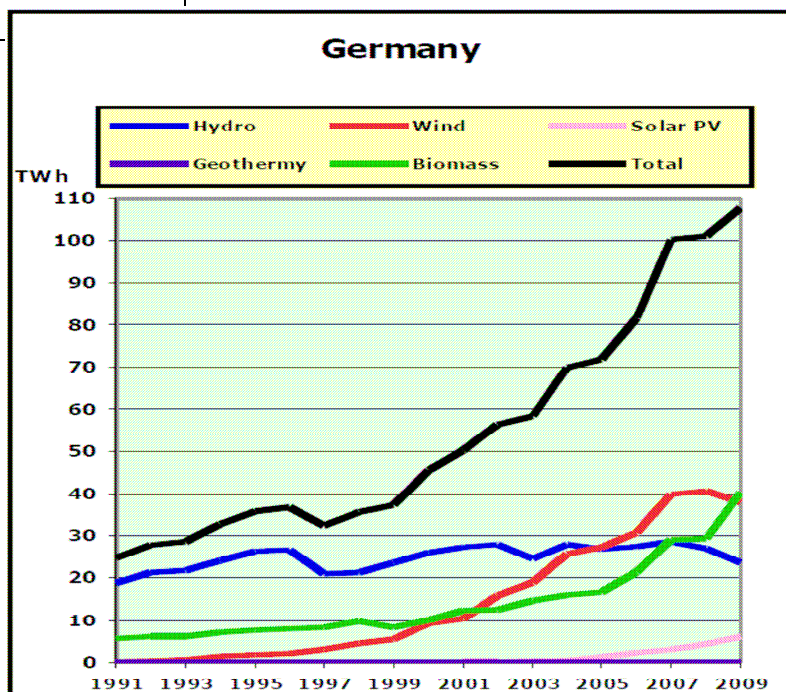
Objectifs du <i>Energiekonzept</i> allemand (2010)						
	Réduction GES (base 1990)	Développement énergies renouvelables		Maîtrise de la demande (base 2008)		
		Part Electricité ¹	Part énergie finale ¹	Energie primaire	Electricité	Chaleur bâtiments
2020	-40%	35%	18%	-20%	-10%	
2030	-55%	50%	30%			
2050	-80%	80%	60%	-50%	-25%	-80%

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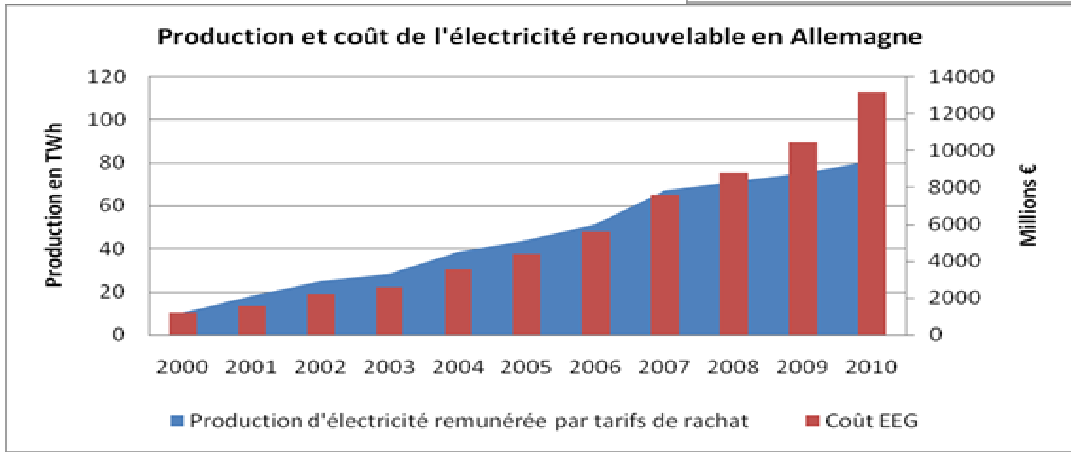
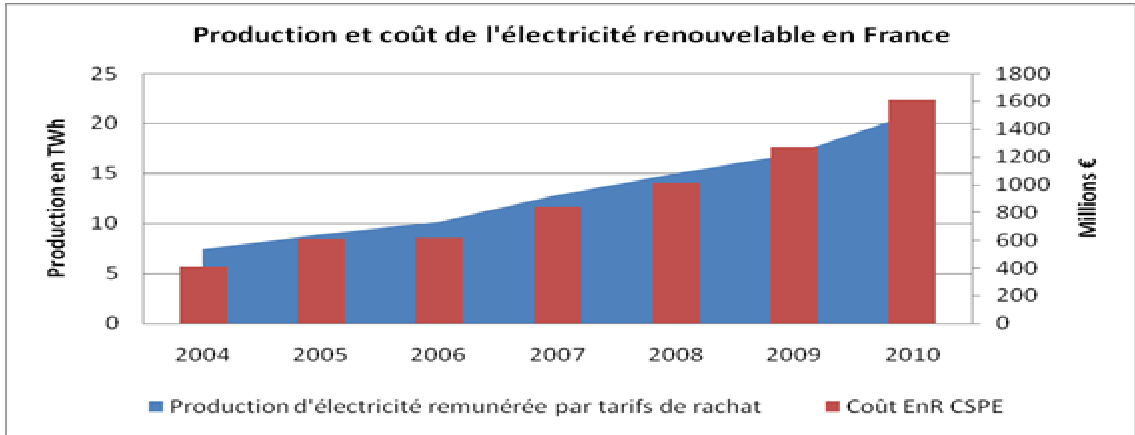
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PRODUCTION D'ORIGINE RENOUVELABLE



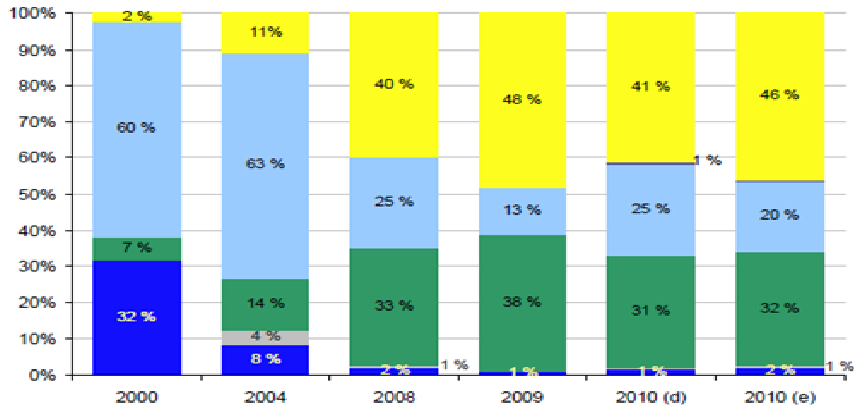
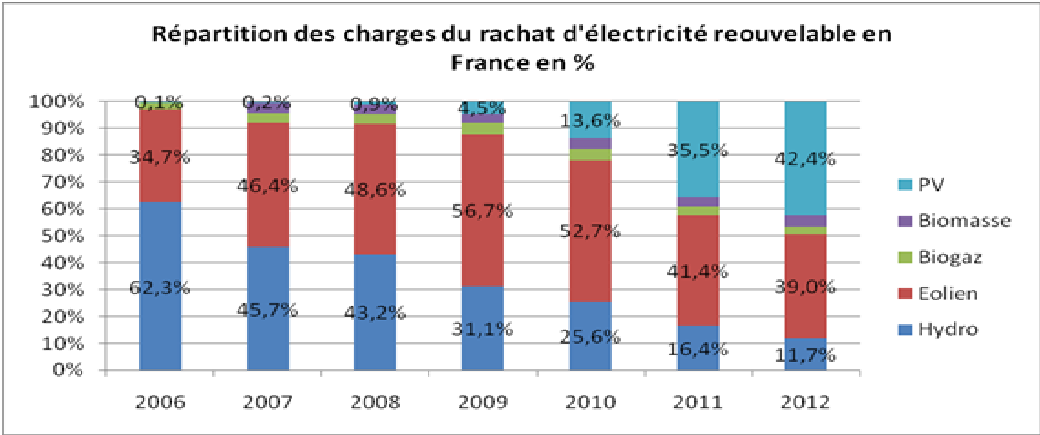
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SOURCES

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Iddri Franco German workshop on energy policies :

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- Chappoz L 2011 Energy prices a powerful tool
- Graichen P. 2011 Energie concept
- Laponche B 2011 Energy in Germany and France

AG Energiebilanzen 2011

Forderreport 2010 und 2011 KFW Franckfurt

Prognos/GWS EWI 2011 Energieszenarien

FES 2011 Scenarios for phasing out nuclear in Germany

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