



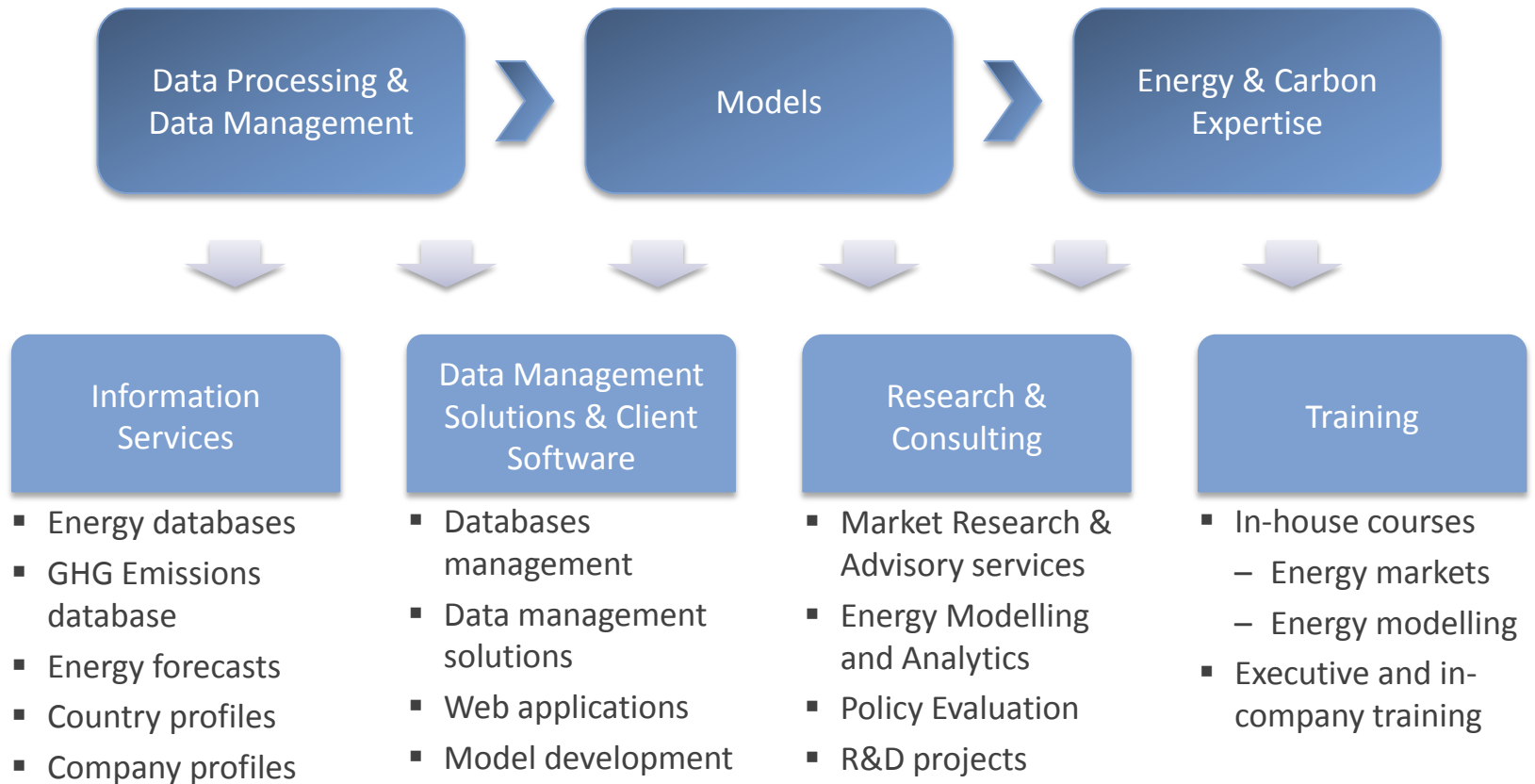
Enerdata - Global Energy Markets Insights and Analytics

CleanTuesday Rhône-Alpes
Grenoble, 22 mars 2011

Enerdata is a global energy intelligence company

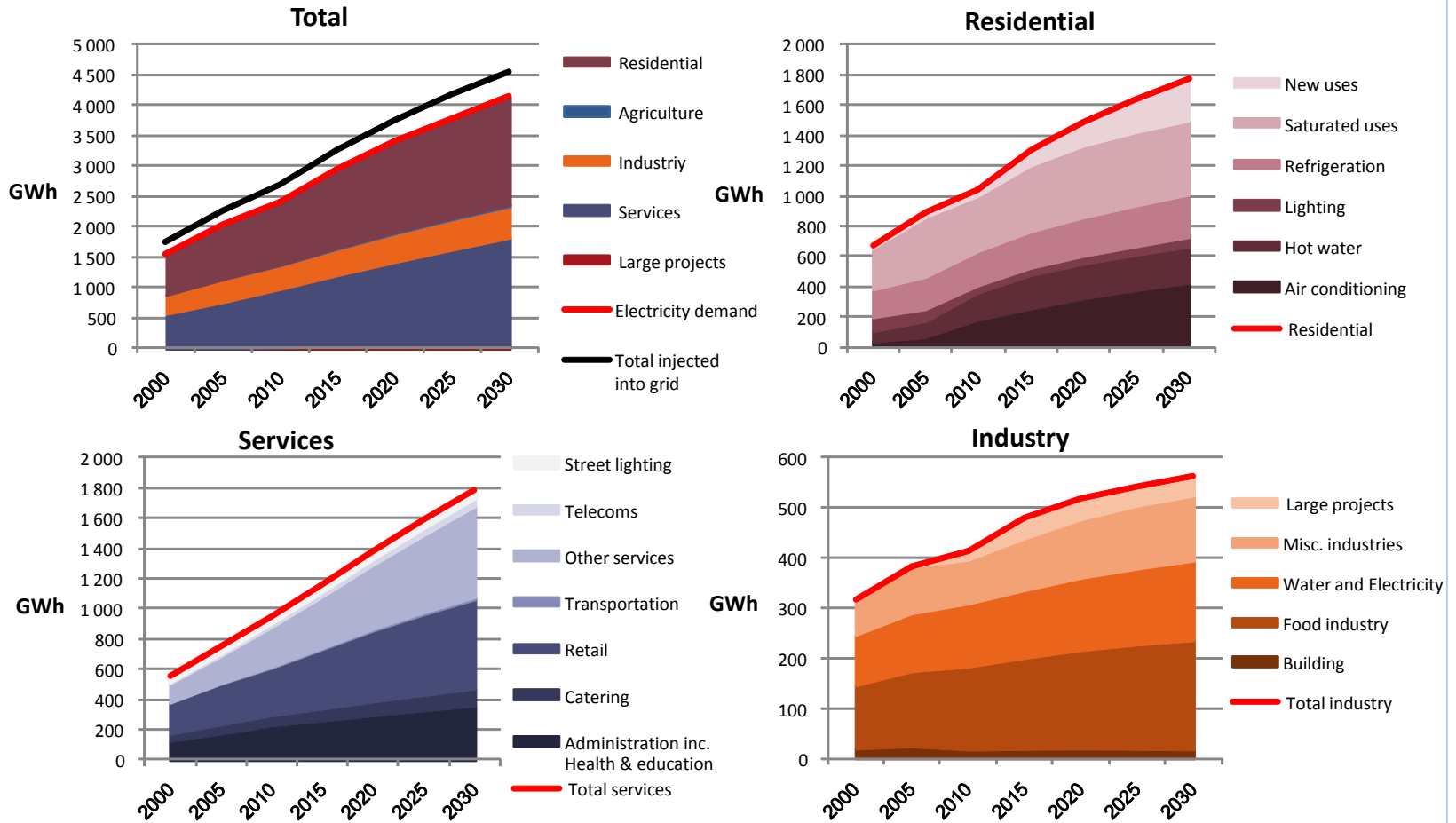
- Private independent company incorporated in 1991
- 30-strong workforce of engineers, economists, statisticians and analysts
- We specialise in the analysis of energy supply and demand issues on a worldwide scale:
 - energy demand and efficiency,
 - global interactions (prices, inter-fuel competition, access to resources...),
 - energy and climate policies,
 - prospective and scenarios
- In-house databases and energy models covering all key energy commodities and carbon markets for up to 185 countries
- Significant R&D activity and European-wide network of research and consulting partners (ECN, ISIS, Fraunhofer Institute...)
- Clients in over 100 countries: Oil & Gas, Power and Gas Utilities, Energy Intensive Users, OEMs, Car Manufacturers, Governments, International Organisations, Banks, Consulting Firms...

We provide a fully integrated and consistent approach to public and corporate energy issues

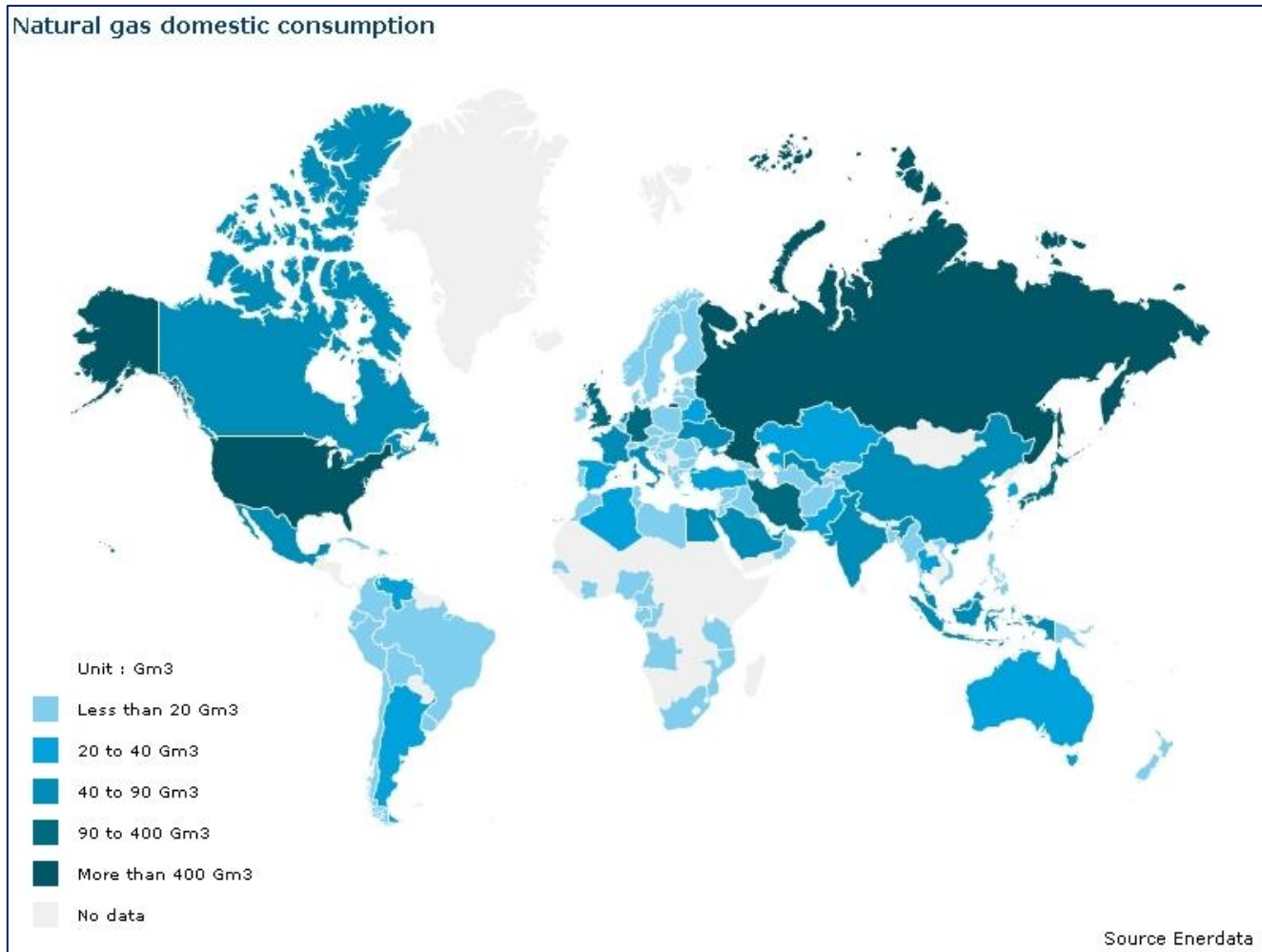


Bottom-up energy and electricity demand forecasts

Breakdown of electricity demand by branch, sector and use

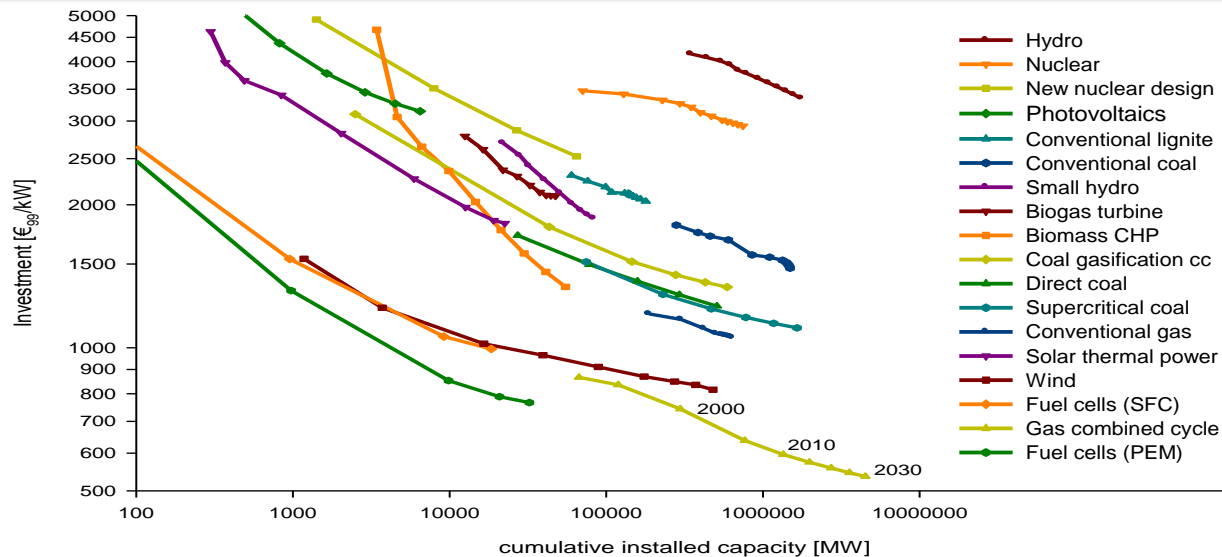


Enerdata maintains one of the world's most comprehensive energy statistics database



Technology representation in POLES: 45 technologies grouped in 5 categories

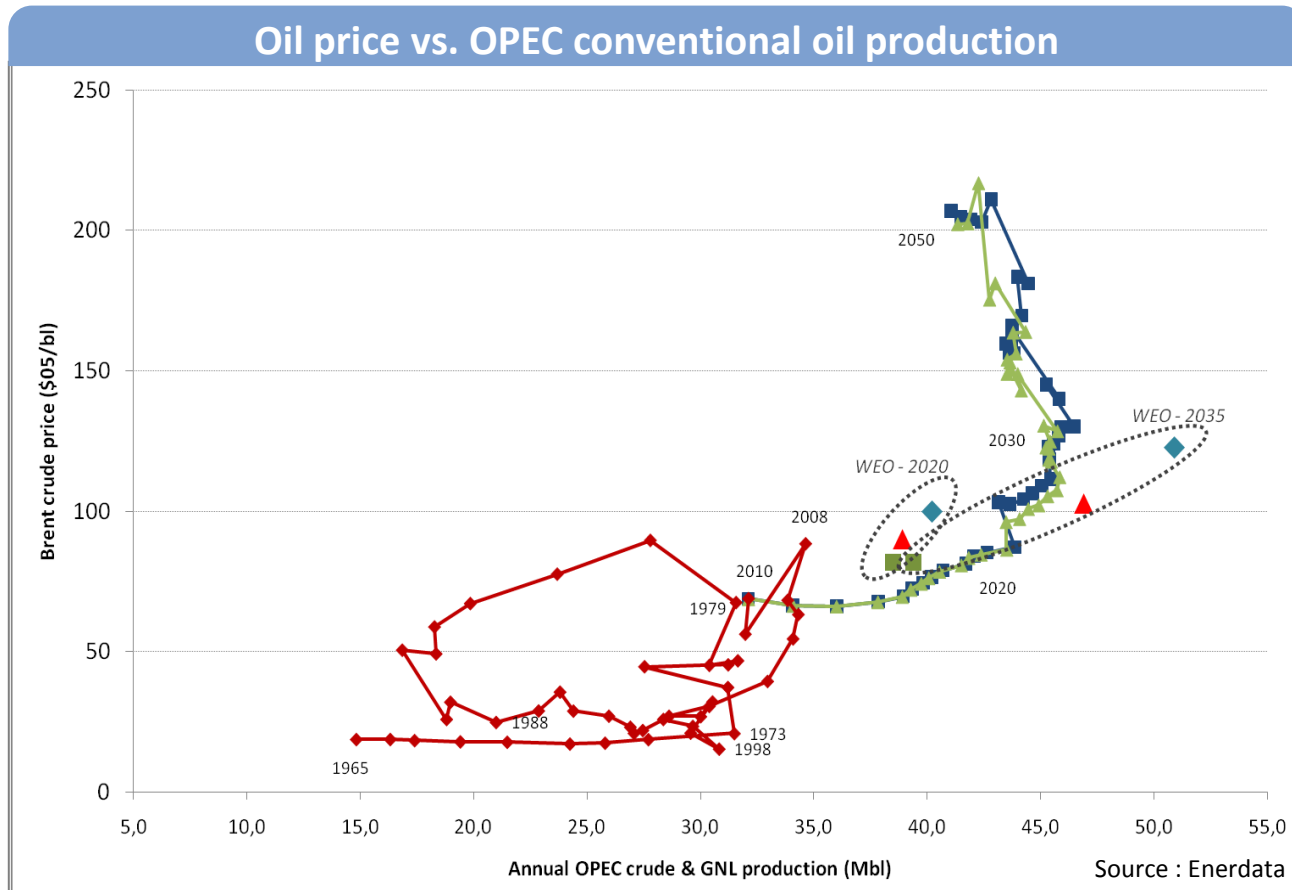
Learning curves for power generation technologies



The 5 POLES technology groups

- **Large scale power generation (15):** nuclear (2), coal (6), gas (4), hydro, oil (2)
- **New and renewable energy systems (11):** wind (2), solar (3), biomass (2), small hydro, CHP, fuel cells (2)
- **Hydrogen production (10):** nuclear (2), coal (2), gas (2), wind, solar, biomass, grid electrolysis
- **Vehicles (6):** conventional (gasoline/biofuels), plug-in hybrid, electric, fuel cell (gas/hydrogen), hydrogen (internal combustion)
- **Low energy buildings (2)**

International oil price scenarios– “Oil price snail”



Trey trust Enerdata – non-exhaustive list of clients

Oil & Gas



Power & Gas Utilities



OEMs



Banks & Consulting



Governments, Agencies & international Organisations



University & Research





Thank you for your attention !



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