



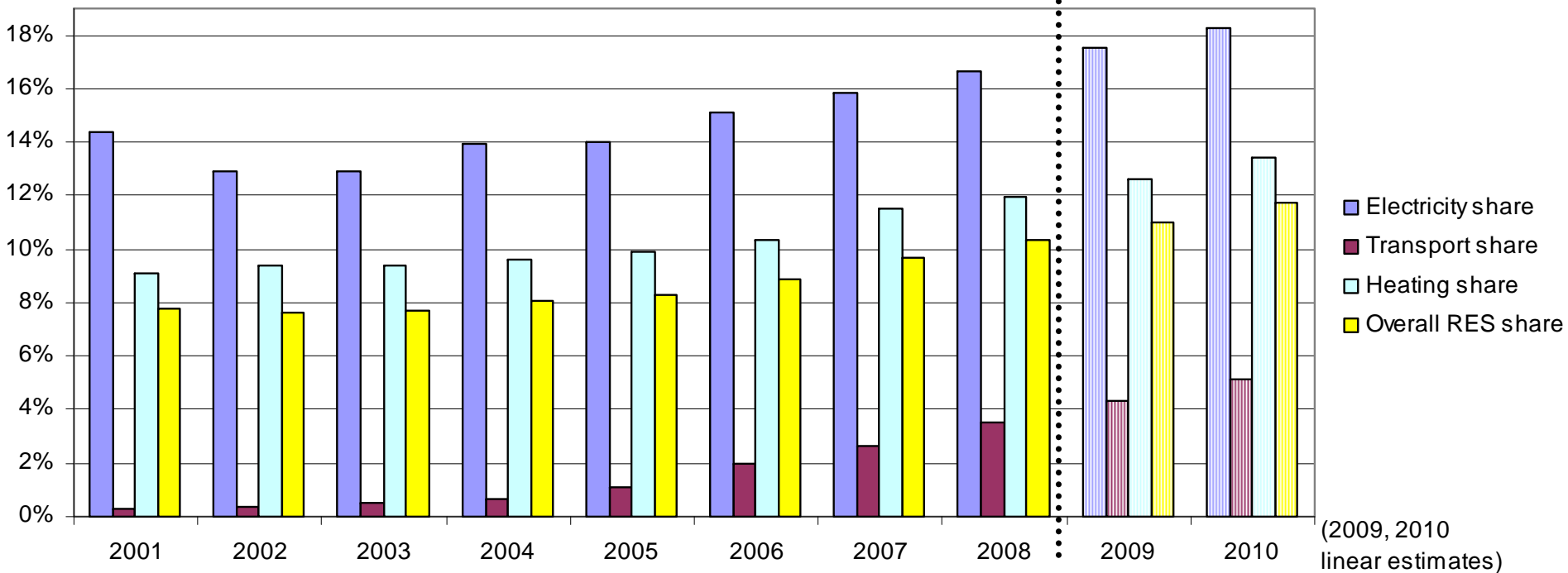
Boosting renewables in the heating market

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COMMISSION

Renewable energy growth by sector 2001-2010



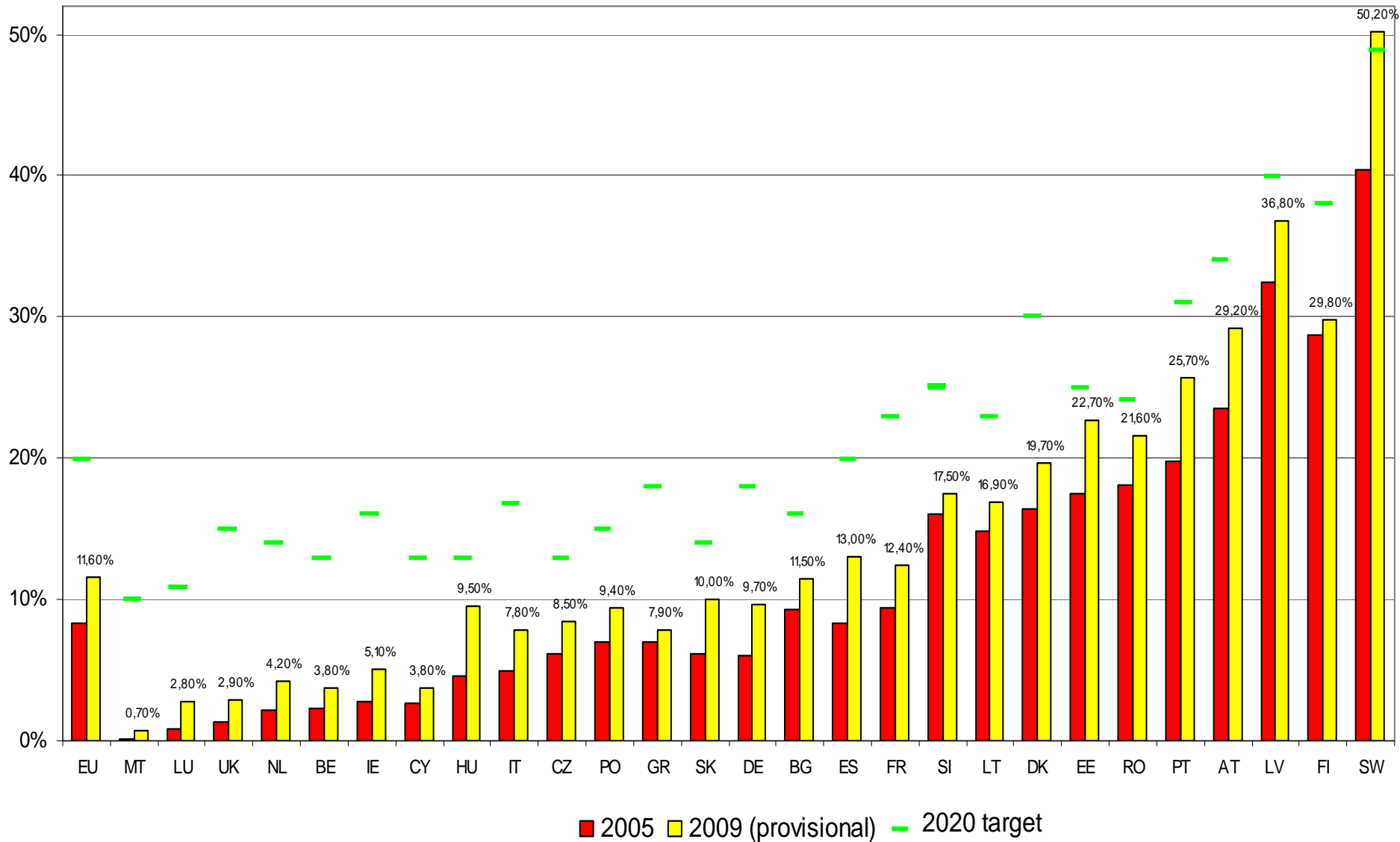
● **Traditional perspective of renewables in the EU**

- Focus on the (large scale) electricity sector
- Focus on (large scale) renewables in transport (biofuels)
- No focus on (mixed technology, small scale) heating
- Too complicated...



The new framework of Directive 2009/28/EC

Member States are not quite the same...



● Administrative measures 1 – Art. 13

- ❖ Member States shall ensure that
 - authorisation, certification and licensing procedures for plants and infrastructure are streamlined, proportionate and necessary
 - with simplified procedures for small or decentralised projects where appropriate
 - responsibilities for such procedures are defined and coordinated between local, regional and national bodies, with transparent timetables and provision of information on processing and assistance
 - rules for these procedures are objective, transparent, proportionate and non discriminatory
 - associated administrative charges are transparent and cost related
- ❖ Technical specifications of equipment (for support) shall be clearly defined, based on European standards and should not constitute a barrier to trade.

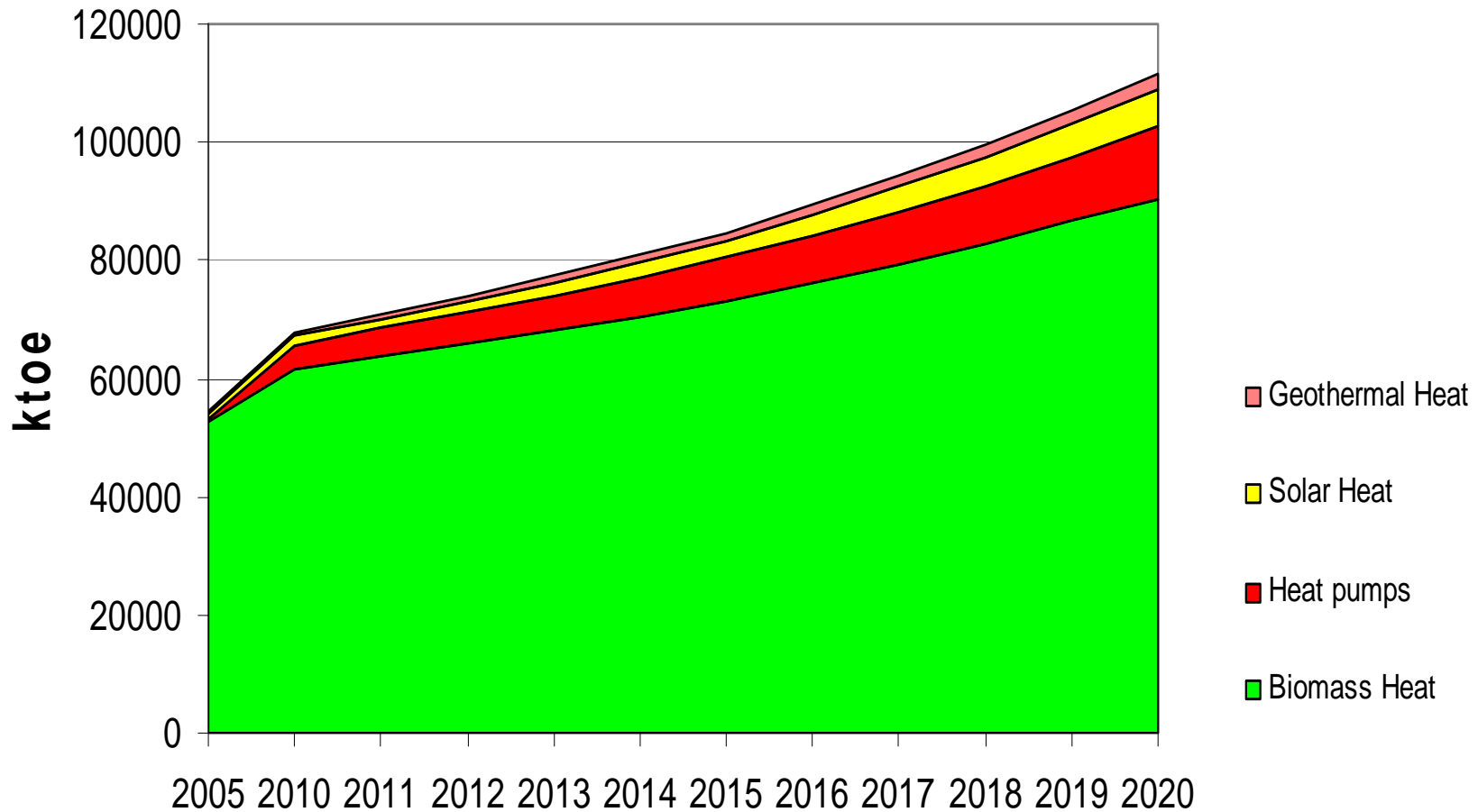
● Administrative measures 2 – Art. 13

- ❖ Member States shall recommend that
 - local and regional bodies ensure the use of renewable energy when planning, designing and building industrial and residential areas and infrastructure
- ❖ Member States shall introduce appropriate measures in building regulations and codes to increase the use of renewable energy in buildings
 - including minimum levels of renewable energy in buildings
 - public buildings should be “show cases”
- ❖ Member States shall promote energy efficient renewable energy equipment
 - e.g. efficient conversion of biomass, compliance with eco labels for heat pumps and solar equipment...

Information & training requirements – Art. 14

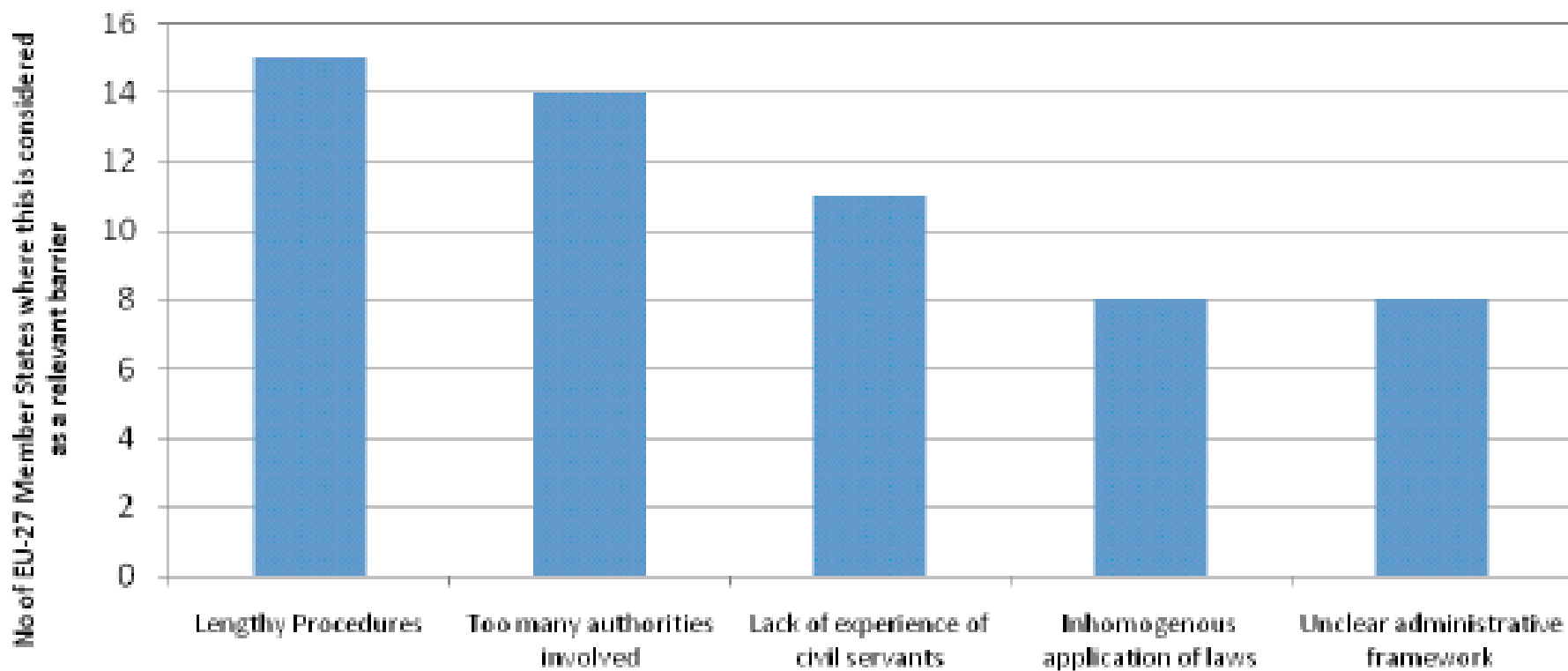
- ❖ Member States shall ensure information on support measures is publicly and widely available, including
 - information on costs, net benefits and the energy efficiency of equipment
 - practical information and awareness-raising guidance on renewable energy equipment
- ❖ Member States shall ensure that certification schemes for equipment installers are available by 2012
 - based on common guidelines (Annex IV) and with mutual recognition of qualifications
 - information on these schemes shall be publicly available
 - lists of qualified installers should be available
- ❖ Guidelines (for planners, architects etc.) on optimising the use of renewable energy and energy efficiency shall be provided

● Technology breakdown – heating/cooling:



● Administrative barriers

- The renewable energy Directive requires reforms



Key issues for renewable heating sources:

- Comprehensive and reinforced legal framework
 - Covering all RES sectors
- Reformed administrative procedures
- The legal obligations are there; these are picked up in the national action plans
- The Commission is now starting the assessment of the transposition
- Other issues to start thinking about:
 - Grid development (biogas? District heating?)
 - Implications of passive housing, efficiency measures
- ... heating beyond 2020...

Selected Commission support

- Transparency platform (key texts, Commission documents):
http://ec.europa.eu/energy/renewables/transparency_platform/transparency_platform_en.htm
- Summary of NREAPs: www.ecn.nl/units/ps/themes/renewable-energy/projects/nreap/
- Concerted action: <http://www.ca-res.eu/>
- REPAP (industry roadmaps & evaluation of NREAPs): <http://www.repap2020.eu/>
- RESHAPING (support schemes, coop. mechs: <http://www.reshaping-res-policy.eu/>
- RESforLESS (just starting)
- Guarantees of origin: <http://www.e-track-project.org/project.php>
- Grid management & development: DG ENER study (contact “eclaron”)
- Developing the offshore grid: <http://www.offshoregrid.eu/>
- Removal of non cost barriers study & RES financing study:
http://ec.europa.eu/energy/renewables/studies/renewables_en.htm
- Removing barriers to wind integration: <http://www.trade-wind.eu/>
- Maritime spatial planning reform: <http://www.seanergy2020.eu/links/>
- Addressing PV barriers: <http://www.pvlegal.eu>
- Planning and financing to improve public acceptance: <http://www.resshare.nu/en/resshare/home>
- Installer certification regimes: <http://www.qualicert-project.eu/>

http://ec.europa.eu/energy/renewables/index_en.htm

Thank you for your attention



Technology breakdown – detail:

