

Resource efficient energy agenda for Wales

Dr Ron Loveland
F.Inst.P

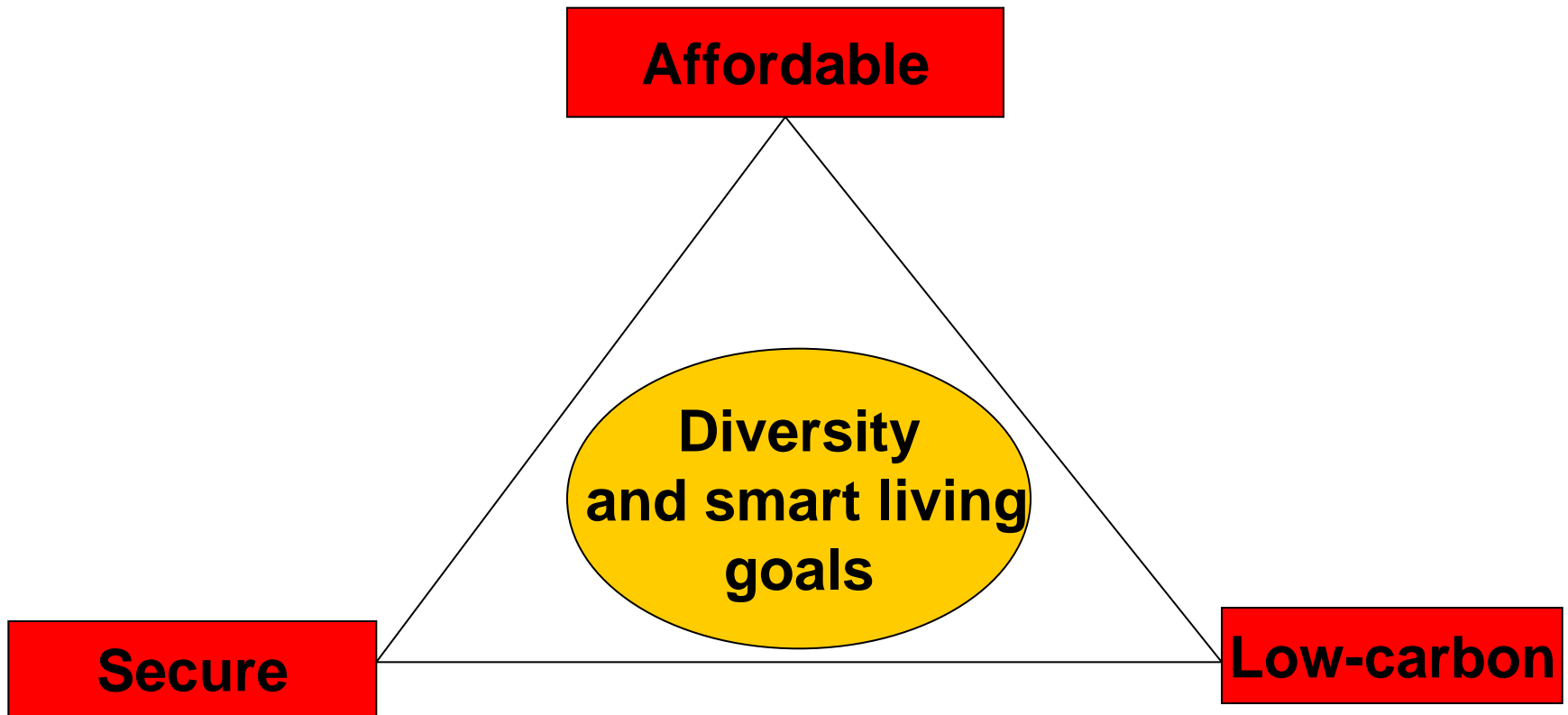
Energy Advisor to the
Welsh Government
ron.loveland@wales.gsi.gov.uk



Energy policy trilemma



Llywodraeth Cymru
Welsh Government

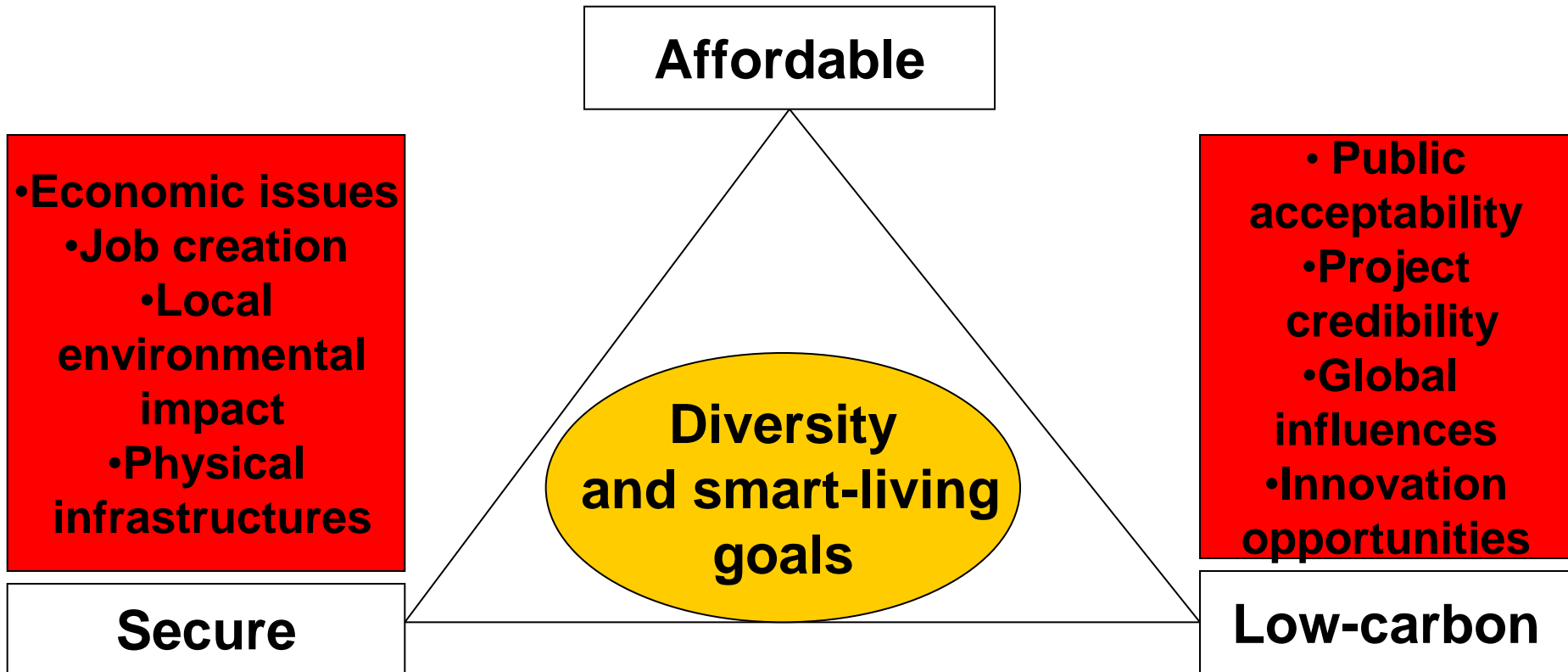


PLUS

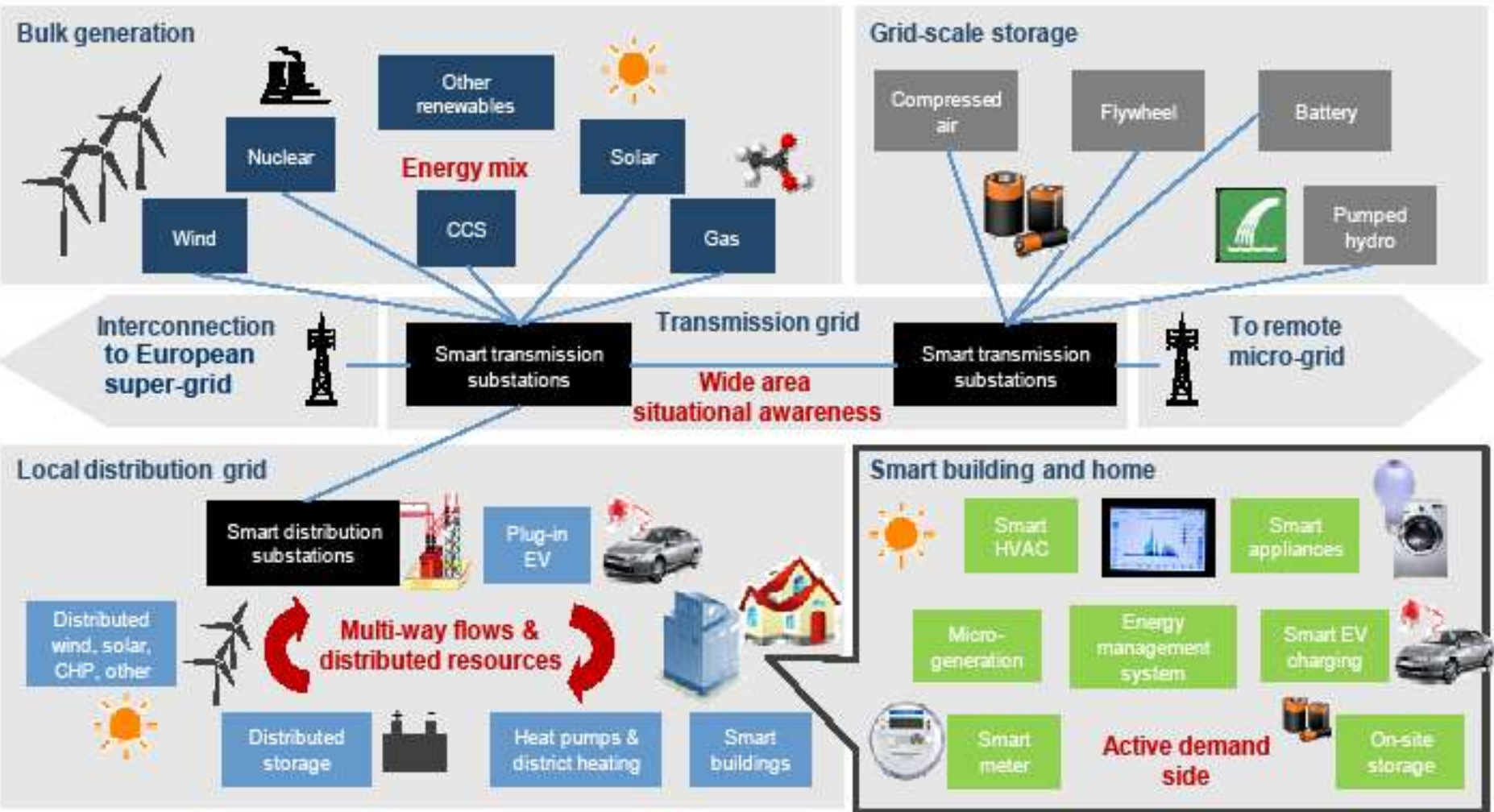
Further energy policy complexity



Llywodraeth Cymru
Welsh Government



What technology will we use?



Energy production in Wales



Llywodraeth Cymru
Welsh Government

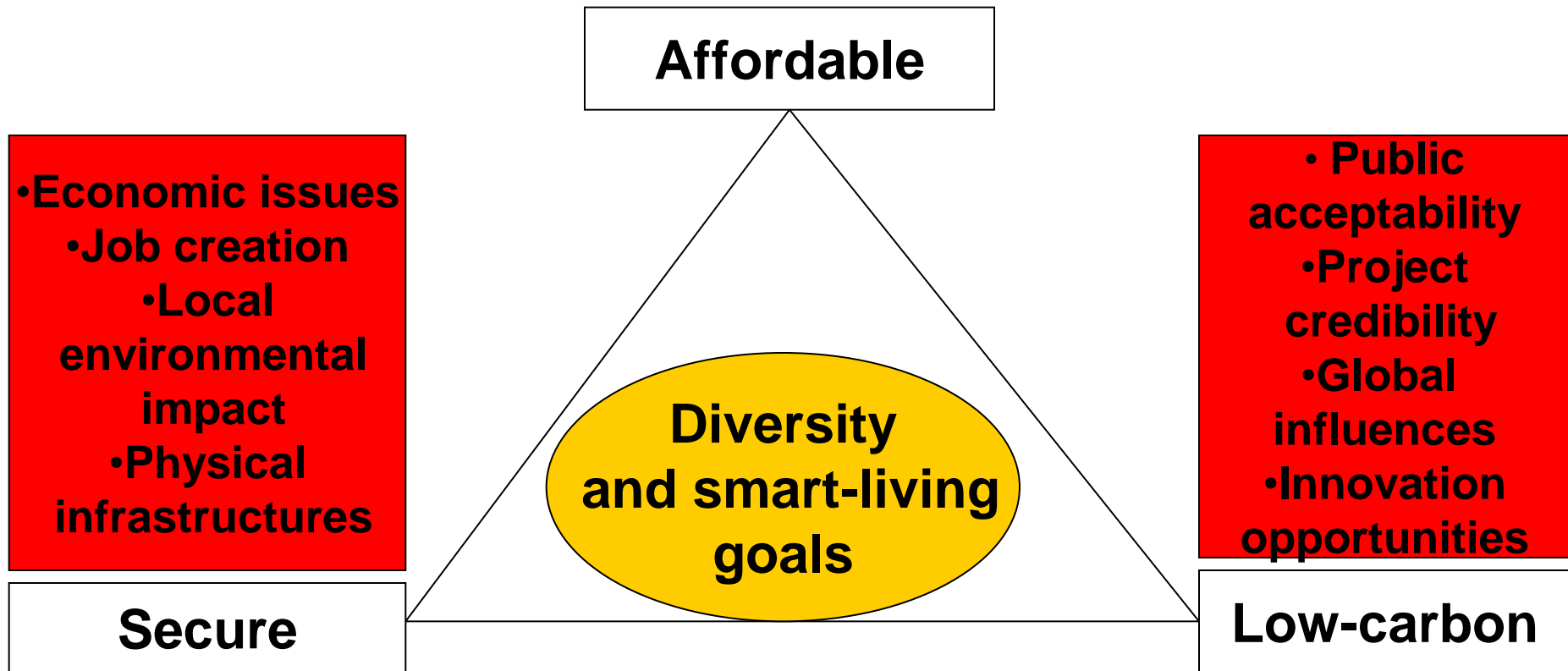
- In past (and present) , Wales strong involvement in coal, oil (and steel) industries.
- Now, wide range of modern gas(inc LNG), coal, nuclear, wind (onshore and offshore), biomass, PV manufacturing, hydro and pumped-storage electricity operations.
- Future, want to be very strong in low-carbon, reasonable-cost electricity production. Ie advanced nuclear; gas-power, with CCS idc; and renewables at large scale (including from our seas) and at the local level.

And we want generally to exploit our strong smart living opportunities

Further energy policy complexity

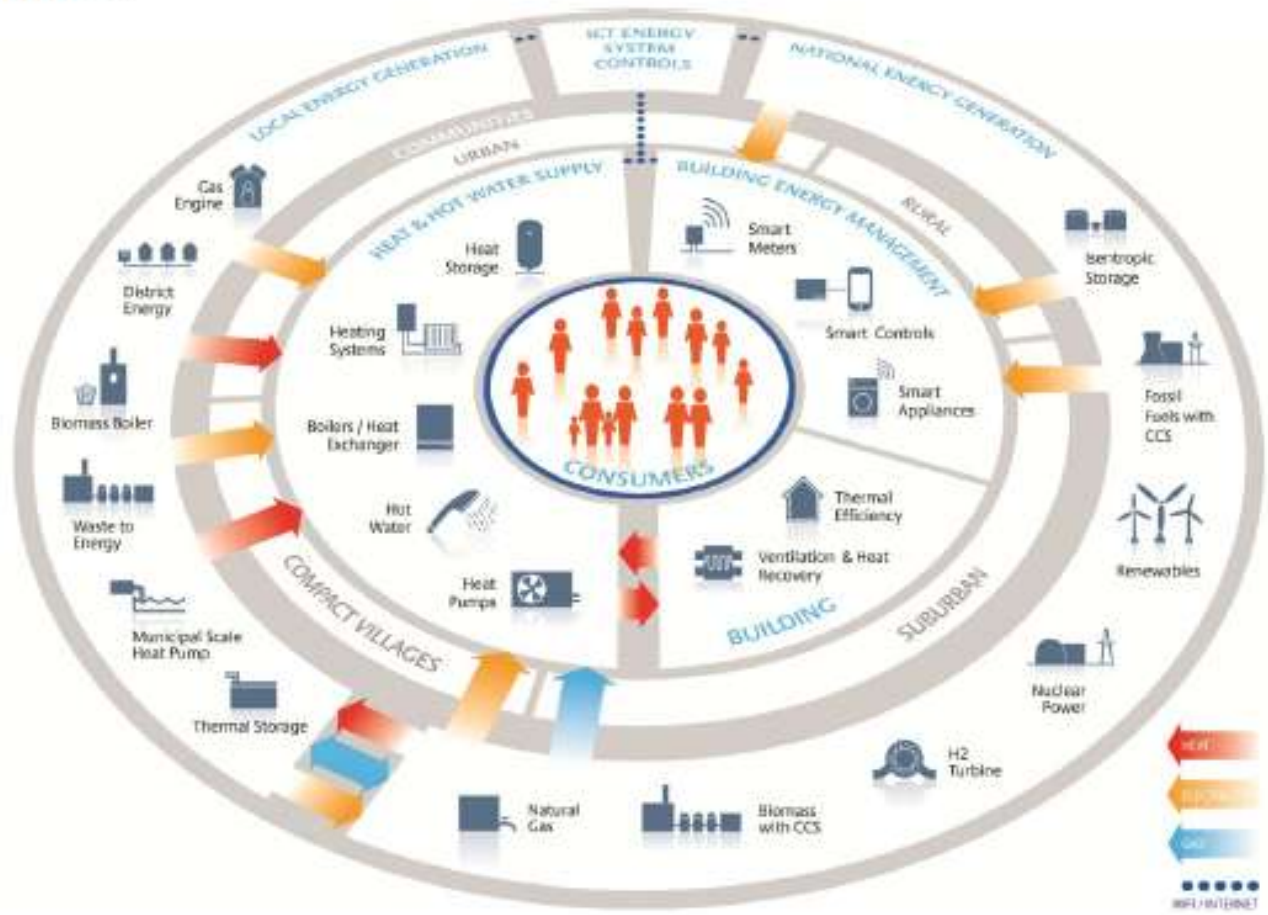


Llywodraeth Cymru
Welsh Government



Smart Systems and Heat mission

Delivering efficient heat and comfort to meet local requirements...



Smart living opportunities



Llywodraeth Cymru
Welsh Government

- Wales already leads UK with programmes such as Arbed, Nest and Ynni'r Fro
- We also have considerable research strengths: for example with the Wales LCRI, SBEC, SPECIFIC, Cardiff/Bangor psychology.
- Innovative companies such as Tata Colours, Panasonic, Sony, Sharp, Dysol, SSE, WPD , SpEn etc.
- Next steps? Should include close working with local authorities and the effective use of available funds for demonstration and development.