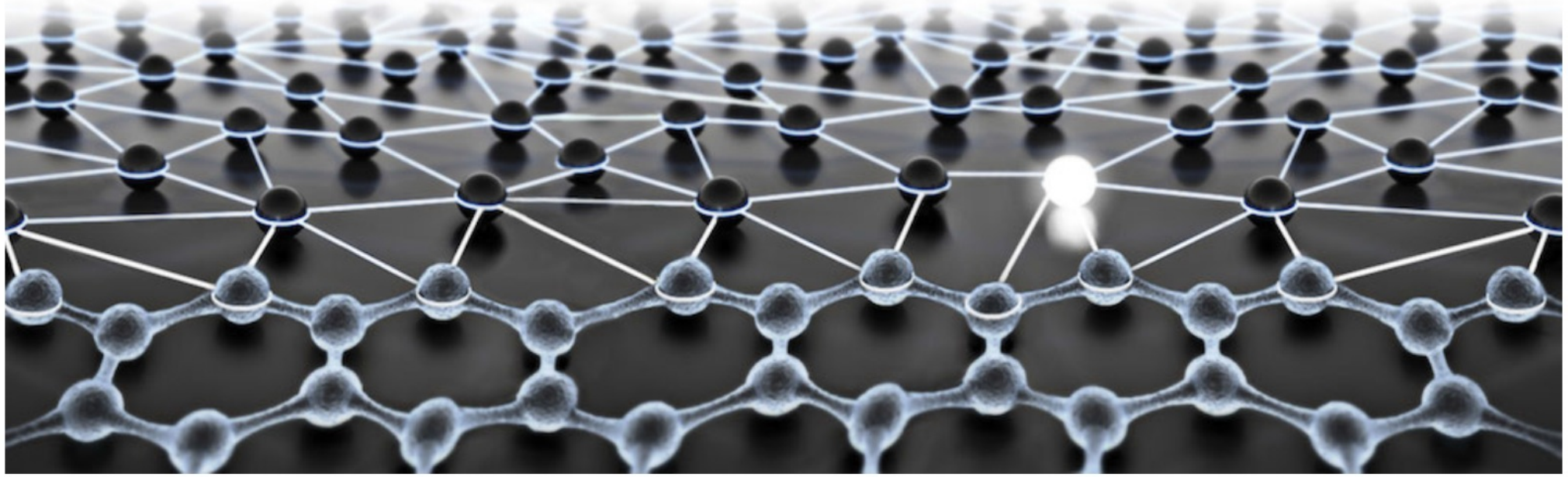
hvm-uk.com/gplus2014
Oxford May 15 2014

HIGH VALUE MANUFACTURING GRAPHENE+



HVM GRAPHENE+ CONFERENCE 2014 OXFORD

www.hvm-uk.com

Chair: Professor Peter Dobson (WMG and The Queen's College Oxford)

The Day Ahead

- Some of the latest Graphene developments, especially applications
- We will get a perspective of "Other Carbon-based Materials" and applications
- Learn about alternative materials that fulfil a similar role.

Examples of the Innovation Time Gap:
it takes longer than you might think!

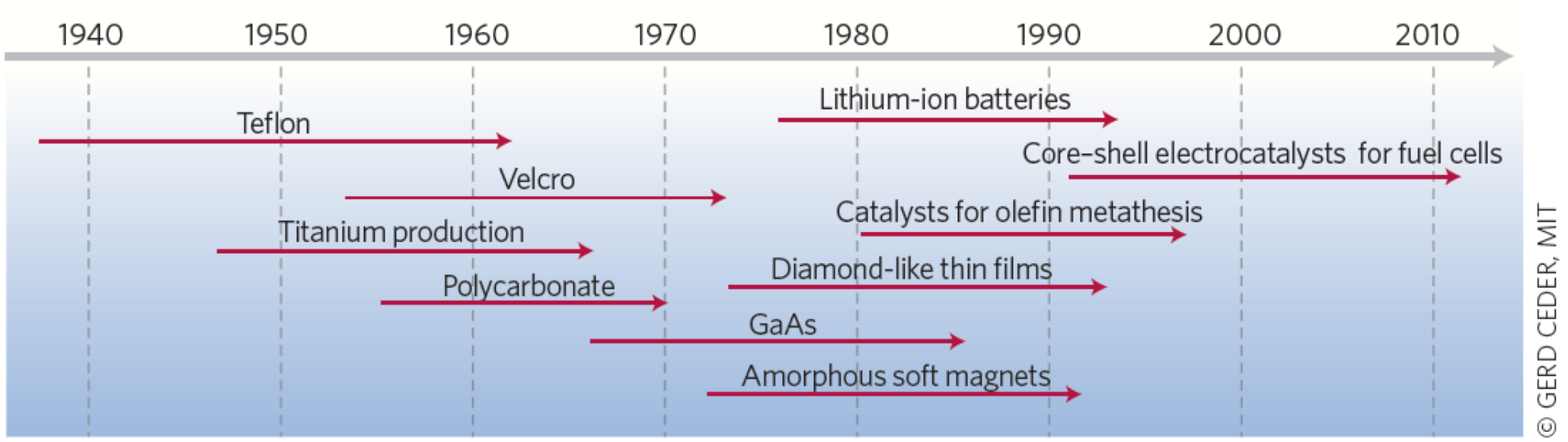
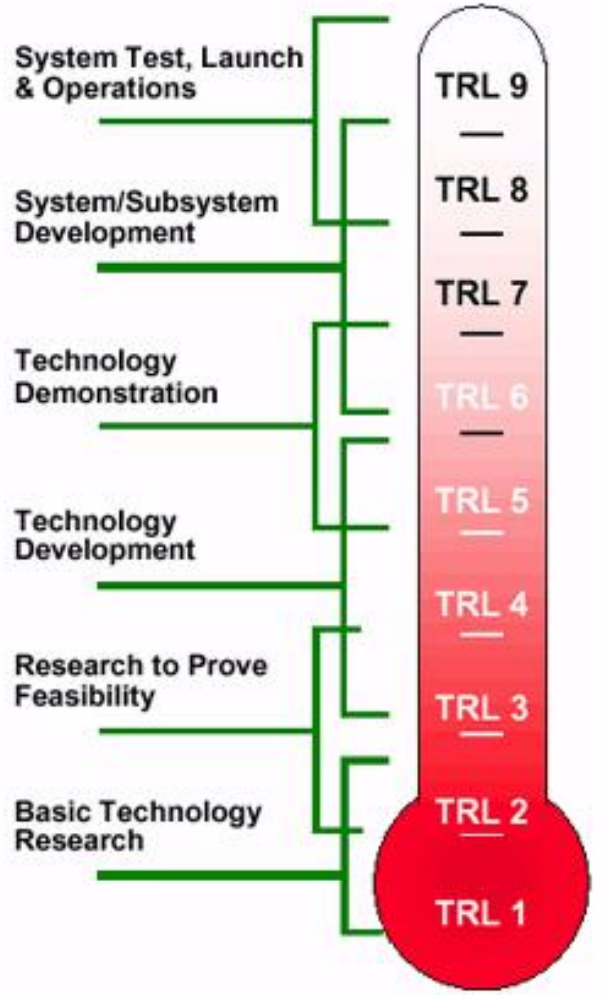


Figure 1 | Time frame from discovery to application for a few technologically important materials.

From an Editorial comment in Nature Materials vol **12**, 173 (2013) concerning the US Materials Genome project.

Innovation Timescales and Technology Readiness

- The timescale for Innovation is typically 10-25 years, especially for making “stuff”!
- We make use of the NASA TRL scales now
- Research Councils fund up to TRL 2
- TSB funds TRL 3-5
- Horizon 2020 (EU) is intending to support TRL 5-8



http://en.wikipedia.org/wiki/Technology_Readiness_Level

Discussion Guidelines

- Let’s try to be honest and positive!
- Identify any “roadblocks”
- Where are graphene materials on the TRL scale?
- Is there anything graphene can’t do??