

MISSION INNOVATION

Accelerating the Clean Energy Revolution

www.mission-innovation.net

An International Partnership to drive
Energy Innovation

Dr . Paul Durrant

Head of Innovation Policy, UK Department of Energy & Climate Change

- ▶ Mission Innovation is a high-profile international initiative seeking to strengthen international clean energy RD&D with the goal of making clean energy widely affordable.
- ▶ Launched by heads of state/government on the first day of COP21 in Paris in December 2015.

- ▶ Two parts to Mission Innovation:

I. **Double Governmental Investment in Clean Energy Innovation**

- ▶ 20 countries pledging to double public funding for relevant clean energy RD&D over 5 years.
- ▶ Announcements in early June of total funding commitments.
- ▶ Note: Mission Innovation itself doesn't have a budget to fund innovation – the countries control their funding.



II. Fostering increased transparency and strengthening collaboration

- ▶ Additional funding is important but also must invest wisely.



- Exploring how to deliver:
 - a. a better, shared, high-level understanding of where more effort and investment is needed.
 - b. greater transparency of who is doing what, what progress is being made and what remains to be done;
 - c. increased collaboration between public programmes and between public and private investors in areas of mutual benefit.
 - d. a lean delivery process that utilises and builds on the best of existing international collaborations.

Boosting Private Sector Investment

- ▶ Runs in parallel with MI
- ▶ **Breakthrough Energy Coalition** - to date, 29 high-profile investors from 10 countries



- ▶ Investment of patient capital at unprecedented levels into early-stage technology development.
- ▶ Principles: Invest Early, Invest Broadly, Invest Boldly, Invest Wisely, Invest Together
- ▶ Details being developed.

Progress So Far

- ▶ Early days but initial work included:
 - ▶ Review of and sharing of best practice on collaborative initiatives
 - ▶ Details of national programmes and areas of potential collaboration
 - ▶ Review of existing analysis of innovation needs.
- ▶ Have explored how MI can assist in:
 - ▶ Aligning public and private efforts around shared objectives.
 - ▶ Drawing attention to gaps in current efforts
 - ▶ Facilitating sharing of good practice between research funders and between investors
 - ▶ Tracking and communicating progress against the agreed objectives
 - ▶ Facilitating closer collaboration between public-sector funded activities and between public and private investors.
- ▶ Ministers will meet San Francisco 1st and 2nd June – to review progress and agree next phase of work.

- ▶ MI keen to work with and through other initiatives. Have much of what we need – analysis and structures. Need to use them.
- ▶ IRENA – a key partner for Mission Innovation implementation.
- ▶ MI use profile and political backing of MI to
 - ▶ Communicating clearly to senior decision makers – public & private – a shared view of what’s working and what needs to be done
 - ▶ Encourage and support engagement with collaborative programmes.
- ▶ Reflections on IRENA discussions:
 - ▶ MI’s role is to TRL8. But will interface with later stage initiatives.
 - ▶ Innovation not just about technology – processes, business models too.
 - ▶ Strong focus on cost reduction
 - ▶ Sharing of best practice – at programme level, but encourage lower levels too.
 - ▶ Sharing information on objectives and targets – and identifying common objectives (and communicating them)
 - ▶ Standards development – likely not our lead but can call out the need.
 - ▶ Tracking and reporting progress – at programme level, but aspire to do so at challenge level – interested in techniques for doing so.
- ▶ Thanks for your attention.