

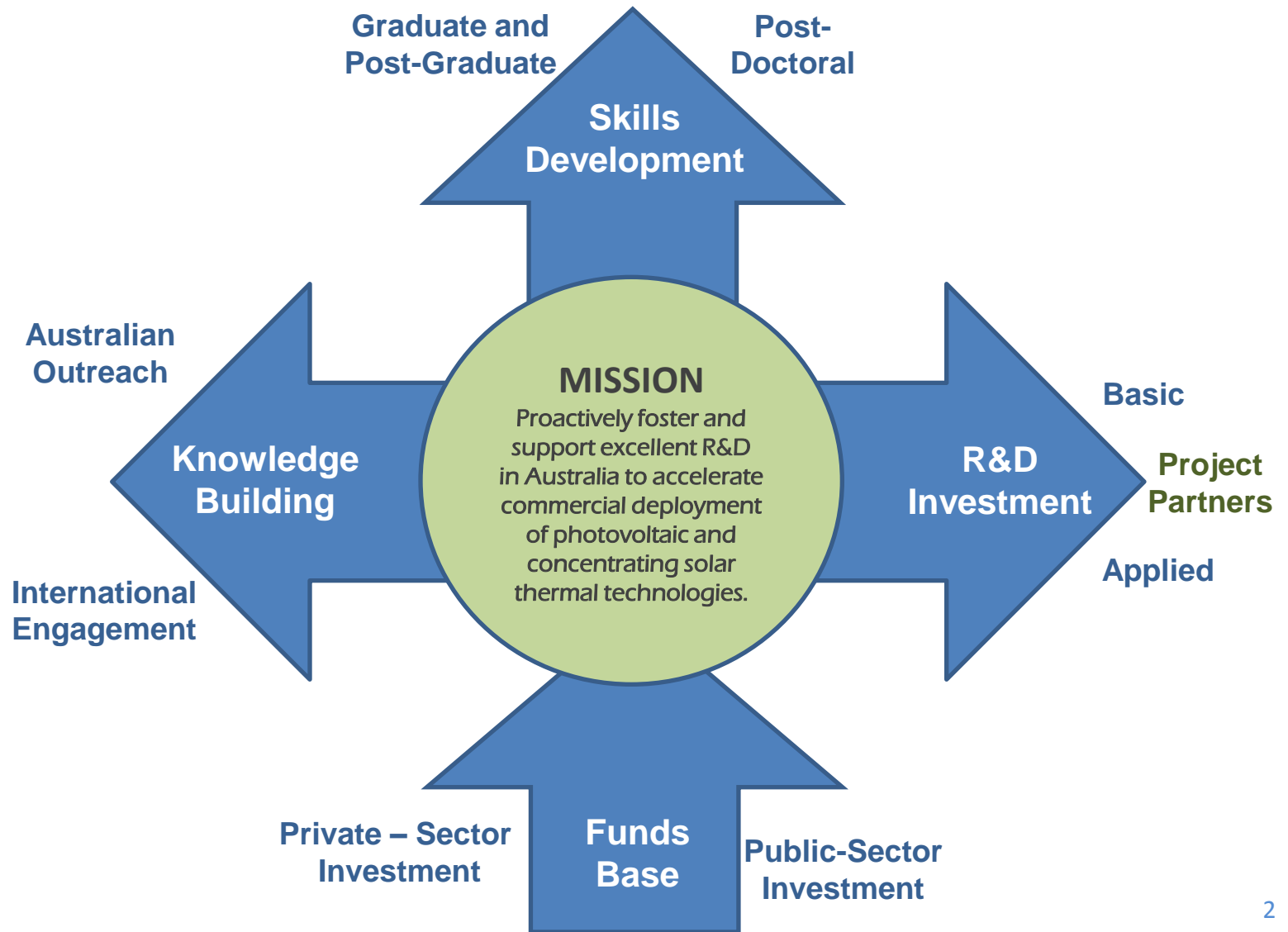


Update on Australian Solar Institute activities, including U.S – Australia Solar Energy Collaboration

ASI Solar Energy Forecasting Workshop

November 11, 2011

Our Strategic Focus Areas



About the Australian Solar Institute

- Australian Government initiative for R&D into solar PV and CST technologies. Newcastle, NSW HQ
- ASI-funded solar R&D projects in research institutions and companies around Australia and internationally, supporting 100+ Australian researchers
- c\$200m portfolio of solar R&D projects leveraged by c\$64m of Australian Government funding at ratio of 2:1+
- Australian Government's \$1.5 billion Solar Flagships Program – sharing learnings
- International engagement – USASEC; Fraunhofer Institute MoU; DLR MoU; strategic engagement with Asia

Investment Update

- Rd 3 full applications and proposals under the Australia-Germany Collaborative Solar R&D Funding Call assessed during Nov 2011 with funding decisions anticipated Dec 2011
- U.S.-Australia Solar Energy Collaboration Foundation Projects and inaugural Research Exchange awardees to be announced soon



United States – Australia Solar Energy Collaboration

- November 2010 announcement by PM Gillard and Secretary of State Clinton
- Objective: collaboration between U.S. and Australia in solar research to accelerate pace of innovation beyond that which either country can achieve on its own
 - Information exchange
 - Research scholarships and laboratory exchange
 - Funding of country-specific portions of joint research projects
- A\$50m Australian Government commitment, managed by ASI
- 4 Foundation Project research areas:
 - Hot carrier solar cells
 - Multi-junction c-Si PV devices
 - High temperature receivers
 - Measurements and characterisation

USASEC (cont)

Current priorities

- Proposed strategic research initiative
 - Longer-term program funding to complement project funding
 - Anticipated A\$3-4m p.a. over 5-7 years to support nodes of activity in PV and CSP
 - Consortium of university, lab and industry participants
- Industry-focused funding round
 - Applied R&D
 - High value, differentiated applications of technology
- Expand research personnel exchange program
 - Build on first round of outbound Australian researchers

Capacity Building Update

- Currently supporting 4 PhD Scholars and 4 Postdoctoral Fellows
- Applications closed late October for PhD Scholarships and Postdoctoral Fellowships, for applicants intending to commence study in Feb 2012

Solar Research Support
PhD Scholarships and Postdoctoral Fellowships



Capacity Building Update (cont)

- Solar Energy Forecasting Workshop at International Conference Energy & Meteorology 2011
 - Contribute to development of Australian Solar Energy Forecasting System, to facilitate large scale solar deployment
- CSP Review
 - IT Power undertaking review of the potential for concentrated solar power in Australia
 - Stakeholder workshops planned for late Nov 2011 in Sydney, Brisbane and Melbourne

Plans & Priorities

- Grow investment portfolio and further develop USASEC incl. a Special Research Initiative, industry-focused funding round and enabling research
- Develop knowledge-sharing portal relating to ASI's portfolio, Solar Flagships Program and solar development generally
- Build capacity through support for people, seminars, and strategic roadmaps
- Continue to establish international partnerships
- ASI to form part of the Australian Renewable Energy Agency (ARENA) by end 2012

Thank you

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