

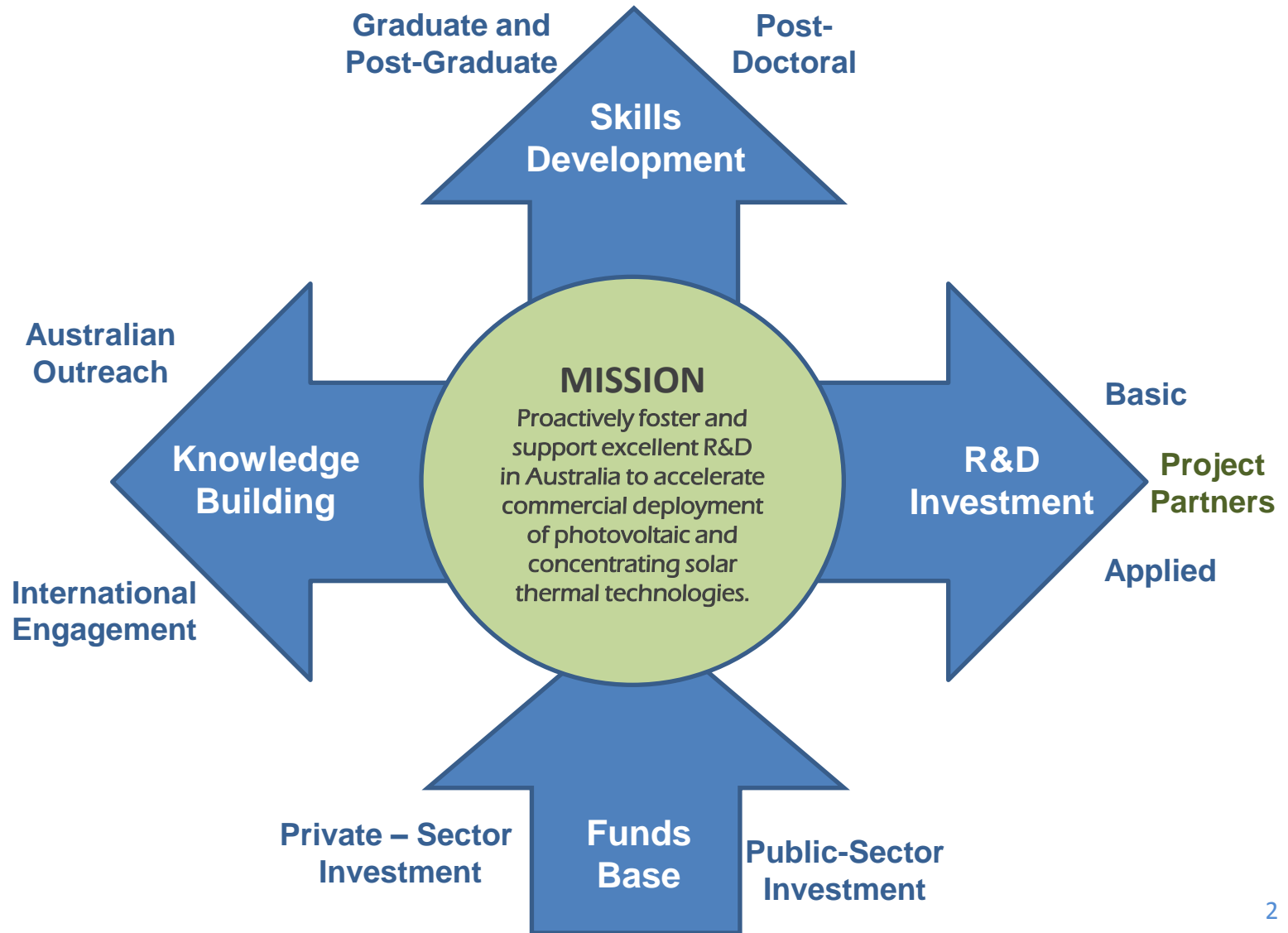


Update on Australian Solar Institute activities

ASI-APVA Seminar: Solar Developments in the United States and Australia

November 1, 2011

Our Strategic Focus Areas



About the Australian Solar Institute

- Australian Government initiative for R&D into solar PV and CST technologies. Newcastle, NSW (Australia) 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
- Enhance 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 last week for PhD Scholarships and Postdoctoral Fellowships, for applicants intending to commence study in Feb 2012
- Inaugural USASEC Research Exchange recipients to be announced soon

Solar Research Support
PhD Scholarships and Postdoctoral Fellowships



Capacity Building Update (cont)

- Solar Energy Forecasting Workshop Friday 11 Nov 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

Olivia Coldrey

Investment Director

Australian Solar Institute

P: +61 2 4960 6300

[E: www.australiansolarinstitute.com.au](http://www.australiansolarinstitute.com.au)