

Economics Legislation Committee
ANSWERS TO QUESTIONS ON NOTICE
Industry, Innovation and Science Portfolio
2017 - 2018 Budget Estimates
31 May – 1 June 2017

AGENCY/DEPARTMENT: DEPARTMENT OF INDUSTRY, INNOVATION AND SCIENCE

TOPIC: Innovation delegation

REFERENCE: Written Question – Senator Carr

QUESTION No.: BI-119

1. What were the dates of the Innovation delegation the Chief Scientist lead to Europe?
2. How many people accompanied the Chief Scientist?
3. Who participated in the delegation, and in what capacity?
4. How much did the delegation cost? Please breakdown in terms of flights, other transport, accommodation and hospitality.
5. Who did the delegation meet with? Is it possible to provide a copy of the itinerary?
6. What broadly would you consider to be the outcomes of the delegation?

ANSWER

1. The innovation delegation took place during the week of 23-28 April 2017.
2. and 3. The delegation consisted of fifteen people, including senior leaders from Australia's Industry Growth Centres, peak bodies supporting innovation and science in Australia, and Australian Government representatives. A full list of delegates is at [Attachment A](#).
4. The costs for the delegation were shared between the department and the delegates. The direct cost to the department was \$32,046 GST inclusive (flights cost \$23,335 and other transport, accommodation and incidentals cost \$8,711).
5. The delegation met with a number of industry research organisations, government officials and industry representatives from Germany, Switzerland and France across a series of workshops, site visits and events. A summary of the itinerary for the delegation is at [Attachment B](#), and includes a listing of the international counterparts who attended the workshops in Germany and France and the site visits in Switzerland.
6. The main outcomes from the delegation included:
 - Developing a more detailed understanding of the approaches of innovation leaders such as Germany, Switzerland and France to foster innovation and commercialisation, in order to inform future actions by government, industry and research leaders aimed at increasing the returns on investment in Australia's innovation system. The findings from the trip will be considered in the Innovation and Science Australia 2030 Strategic Plan and other policy work across the department.
 - Building links with international counterparts and developing new partnerships by showcasing Australia's strengths in innovation and science. The delegation strengthened Australia's relationship with Germany, Switzerland and France at government and policy, sectoral and organisational, and individual levels. The delegates are following up connections they made with companies, research organisations and clusters, with a strong focus on Industry 4.0.

- The delegation also delivered on a number of recommendations from the Australia-Germany Advisory Group report and the outcomes of the bilateral Joint Science and Technology officials meetings held in October 2016 between Australia and Germany, France and Switzerland, respectively.

Attachment A

Dr Alan Finkel (Head of Delegation)
Australia's Chief Scientist, Office of the Chief Scientist

Mr David Wilson
General Manager, Commercialisation Policy Branch, Department of Industry, Innovation and Science

Dr Jens Goennemann
Managing Director, Advanced Manufacturing Growth Centre

Mr Peter Schutz
Chair, Food Innovation Australia Ltd – Food and Agribusiness Growth Centre

Mr Ric Gros
CEO, METS Ignited - Mining Equipment, Technology and Services Growth Centre

Ms Sue MacLeman
CEO and Managing Director, MTPConnect – Medical Technologies and Pharmaceuticals Growth Centre

Dr Tony Peacock
CEO, Cooperative Research Centres Association

Mr David Chuter
CEO, Innovative Manufacturing Cooperative Research Centre

Dr Keith McLean
Director - Manufacturing, Commonwealth Scientific and Industrial Research Organisation

Dr Alastair Hick
Chair, Knowledge Commercialisation Australasia

Prof Hans Bachor
Fellow of the Academy, Australian Academy of Science

Prof Chennupati Jagadish
Fellow of the Academy, Australian Academy of Science

Prof Hugh Bradlow
President, Board of Academy of Technology and Engineering

Ms Sarah Brown,
Manager, International Strategy – Science and Innovation Section, Department of Industry, Innovation and Science

Dr Alex Cooke
Counsellor – Industry, Innovation and Science, Australian Embassy to Belgium, Luxembourg and Mission to the European Union and NATO

Attachment B

Date	Location	Event
Sun 23 April	Berlin	Dinner at Ambassador Wood's Residence with the PM's Industry 4.0 Taskforce
Mon 24 April	Berlin	<p>Breakfast with Landing Pad representatives</p> <p>Innovation Workshop at the Federal Ministry of Education & Research (BMBF) and networking lunch German attendees included:</p> <ul style="list-style-type: none"> - Prof. Dr. Uwe Cantner, Commission of Experts for Research and Innovation and SCW-Evaluation team - Prof. Dr. Ernst Theodor Rietschel, Chairman of the Jury of the funding initiative, Research Campus - Dr. Jochen Schulze, EW-Biotech-GmbH, Leading Edge Cluster, Bio-Economy - Ms. Anna Maaßen, Hamburg Aviation Cluster - Dr. Dirk Fornahl, University Bremen, Center for Regional and Innovation Economics - Prof. Dr. Thomas Mikolajick, Leading Edge Cluster: Cool Silicon - Frank Bösenberg, Leading Edge Cluster: Cool Silicon - Nadja Dehne, Leading Edge Cluster: Cool Silicon - Prof. Dr. Klaus Dilger, TU Braunschweig, Research Campus: Open Hybrid Lab Factory, Chairman of the Board - Prof. Dr. Christoph Herrmann, TU Braunschweig, Research Campus: Open Hybrid Lab Factory - Prof. Dr. Jürgen Hillmann, Volkswagen, Board Member Research Campus: Open Hybrid Lab Factory - Jens-Jürgen Härtel, Volkswagen, Board Member Research Campus, Open Hybrid Lab Factory - Frithjof Maennel, BMBF, Deputy Director General International Cooperation - Dr. Lothar Mennicken, BMBF, Deputy Director Cooperation with Asia/Oceania - Mr. Jürgen Wengel, BMBF, Div. 112 – New Innovation Support Instruments and Programs - Mr. Maximilian Jedemann, BMBF, Div. 215 – Intl. Cooperation with Asia/Oceania - Dr. Nora Vogt, BMBF, Div. 112 - New Innovation Support Instruments and Programs - Dr. Dieter Labruier, PTJ, Head Division Tri3 - Technological and Regional Innovations/Clusters - Dr. Hans-Jörg Stähle, DLR-PT, Deputy. Director Cooperation with Asia/Oceania <p>Site visit to Research Campus – Mobility2Grid</p> <p><i>Australia now</i> innovation and science forum – with Australia's Chief Scientist and Professor Schellnhuber as panelists, moderated by Tatjana König, Managing Director of the Falling Walls Foundation, and opened by Ambassador Wood</p>

Date	Location	Event
Tues 25 April	Hannover Messe	Red carpet tour of Siemens stand
		Lunch with New Zealand Manufacturers and Exporters Association delegates
		Guided tour of Hannover Messe and individual meetings – delegates separated and visited a variety of stands throughout the largest trade fair in the world
		Plattform Industrie 4.0 and Prime Minister’s Industry 4.0 Taskforce exchange of collaboration agreement – attended by Australia’s Chief Scientist and relevant delegates
Wed 26 April	Munich	<p>Workshop at the Fraunhofer Headquarters and networking lunch</p> <p>German attendees included:</p> <ul style="list-style-type: none"> - Dr. Christoph Parchmann, Bavarian State Ministry for Education, Science and the Arts - Andreas Aepfelbacher, Fraunhofer Technology Marketing/Business Models - Dr. Florian Kirschenhofer, Max Planck Innovation - Dr. Tjark von Reden, Leading Edge Cluster: MAI Carbon - Mr. Benjamin Stöcklein, Leading Edge Cluster: Medical Valley EMN - Mr. Kai Borcharding, Fraunhofer IFAM (Manufacturing and Advanced Materials), Bremen - Dr. Ulrike Fuchs, Fraunhofer IWES (Wind Energy and Energy System Technology), Kassel - Dr. Mark Bücking, Fraunhofer IME (Molecular Biology and Applied Ecology), Schmallenberg - Dr. Andreas Stäbler, Fraunhofer IVV (Food Process Engineering and Packaging), Freising - Prof. Frank Wagner, Fraunhofer IAO (Industrial Engineering) - Dominik Reinertz, Fraunhofer Int. Cooperation, St. Augustin - Dr. Hans-Jörg Stähle, DLR-PT, Dy. Head Cooperation with Asia/Oceania
		Site visit to Knorr Bremse
		4th Australian Innovation Business Dinner with a welcome address from Ambassador Wood, and key note address by Australia’s Chief Scientist. PM’s taskforce was also in attendance, and the attendees included German partners from government, business and academia.

Date	Location	Event
Thurs 27 April	Western Switzerland	<p>Site visits and presentations at Switzerland Innovation Park Network locations:</p> <ul style="list-style-type: none"> • Geneva Biotech campus • EPFL Innovation Park in Lausanne • Microcity Neuchâtel <p>Swiss attendees included:</p> <ul style="list-style-type: none"> - Benoît Dubuis, Director, Campus Biotech - Stéphane Decoutère, Head of External Affairs to the EPFL President - Marc Gruber, Vice President for Innovation, EPFL - Michaël Thémans, Deputy of the Vice President for Innovation, EPFL - Louisa Busca Grisoni, Industrial Liaison Adviser, EPFL - John Donoghue, Director, Wyss Center - Friedhelm Hummel, Defitech Chair, Center of Neuroprosthetics, EPFL - Jurgi Camblong, CEO, Sophia Genetics - Jörg Hager, Head of Nutrition & Metabolic Health, Nestlé Institute of Health Sciences - Josef Akhtman, CEO, Gamaya - Pierre Dillenbourg, Manager of Swiss EdTech Collider EPFL and Academic Director of EPFL Center for Digital Education - Christian Barbier, Director of the Service of the Economy (Neuchâtel State) and current acting President of the Greater Geneva Bern Area - Mario El-Khoury, CEO, CSEM - Harry Heinzelmann, Vice President and Chief Technology Officer, CSEM - Georges Kotrotsios, Vice President Marketing and Business Development, CSEM - Christian Enz, Director, Institute of Microengineering, EPFL - Edouard Mignon, Research & Innovation Director, Richemont - Christian Enz, Director, Institute of Microengineering, EPFL - Yves Bellouard, Professor, Galatea Laboratory, EPFL <p>Dinner with Ambassador Mauro Moruzzi, Head of International Affairs, Swiss State Secretariat for Education, Research and Innovation and EPFL Vice President Etienne Marclay and other Swiss counterparts</p>

Date	Location	Event
Fri 28 April	Lyon	<p>Workshop with French counterparts and networking lunch French attendees included:</p> <ul style="list-style-type: none"> - Jacques de Chilly, Deputy Director General for Economic and International Development Grand Lyon - Anne Wyart, Head of innovation and competitiveness Grand Lyon - Simon-Pierre Eury, Deputy Director General at Dirrecte Auvergne Rhone Alpes, state commissioner for industry productivity in the Rhone Alpes region - Claude Sabatin, BPI France regional delegate - Hugues de la Grandiere, CEO Supergrid Institute for Energy Transition - Florence Agostino-Etchetto, CEO Lyon Biopole - Kevin Romani, SME development director Lyon Biopole - Jean Manuel Mas, CEO Axelera Competitiveness Cluster - Louis Vovelle, Senior Vice President - Innovation and R&D Elkem Bluestar Silicons - Jean-Luc Loubet, CEO Institut Carnot Engineering Lyon - Frederic Faure, Director CNRS Lyon - Anne-Marie Helle, Deputy Head of the Partnership and Knowledge Transfer Department, CNRS Lyon - Fanny Martin, Fabrique de L'Innovation University of Lyon - Nathalie Garcon, CEO Bioaster technology research institute - Sophie Jullian, CEO SATT Pulsalys - Alain Puisieux, Director of Lyon cancer research center - Prof. Magali Phaner-Goutorbe, International at Ecole Centrale de Lyon
		<p>Concurrent site visits to:</p> <ul style="list-style-type: none"> • Biodistrict Lyon • Chemistry Valley and AXEL'ONE • La Doua Tech Campus
		<p>Dinner with Pascal Deschaseaux, Vice President International of the Association of the Institutes Carnot and CEO of Carnot Calym</p>