

## InnoForum Sweden - Switzerland

### Cleantech – from Nano to Urban Scale

Sustainable Energy / Power Systems  
Sustainable Building and Urban Planning  
Sustainable Transport

Stockholm, October 29-30, 2009

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## Programme

*(as of October 28, 2009)*

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Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation  
Confederación Suiza

Staatssekretariat für Wirtschaft SECO  
Secrétariat d'Etat à l'économie SECO  
Segreteria di Stato dell'economia SECO  
State Secretariat for Economic Affairs SECO

Staatssekretariat für Bildung und Forschung SBF  
Secrétariat d'Etat à l'éducation et à la recherche SER  
Segreteria di Stato per l'educazione e la ricerca SER  
State Secretariat for Education and Research SER

Bundesamt für Berufsbildung und Technologie BBT  
Office fédéral de la formation professionnelle et de la technologie OFFT  
Ufficio federale della formazione professionale e della tecnologia UFFT  
Federal Office for Professional Education and Technology OPET

Thursday, October 29, 2009

When	What	Where
08.30 h	Registration and Coffee	WTC Stockholm
<b>Morning Session</b>		
09.00-09.10 h	<b>Welcome address and introduction to the InnoForum SE+CH:</b> Introduction: Bella Goldmann - <b>Fredrik Lindén</b> , VP Western Europe, Swedish Trade Council - <b>Ambassador Per Thöresson</b> , Swedish Ambassador in Switzerland - <b>Ambassador Robert Reich</b> , Swiss Ambassador in Stockholm	WTCS, Room "New York"
09.10 h	<b>Panel "Research and Education":</b>  - <b>Mauro Dell'Ambrogio</b> , Swiss Secretary of State for Education and Research - <b>Peter Honeth</b> , Swedish State Secretary for Higher Education and Research - <b>Prof. René Schwarzenbach</b> , Head of Environmental Sciences Dept., ETH Zurich and President of Division IV of the Swiss National Science Foundation - <b>Prof. Peter Gudmundsson</b> , President, KTH Royal Institute of Technology Moderation: <b>Beat Glogger</b>	WTCS, Room "New York"
10.05-10.25 h	Coffee break	WTC, Piazzan
10.30-10.50 h	<b>Policy Statement: Swedish Minister for Trade Ewa Björling</b>	WTC "New York"
10.50-11.10 h	<b>Policy Statement: Swiss Federal Councillor Doris Leuthard</b>	WTC, "New York"
11.10 h	<b>Panel "Innovation":</b>  - <b>Dr. Ursula Renold</b> , General Director of the Swiss Federal Office for Professional Education and Technology OPET - <b>Dr. Spyridon Arvanitis</b> , KOF Swiss Economic Institute, ETH Zurich - <b>Prof. Lena Gustafsson</b> , Deputy Director General, Vinnova - <b>Franz Schmaderer</b> , Head R&D, ABB; Moderation: <b>Beat Glogger</b>	WTCS, Room "New York"
12.05-13.20 h	Networking lunch (standing)	WTC Restaurant

<b>Afternoon Session</b>		
13.25-15.15 h	<b>Thematic Workshops</b> (three streams in parallel):  - <b>Stream A: Sustainable Energy and Power Systems</b> - <b>Stream B: Sustainable Building and Urban Planning</b> - <b>Stream C: Transportation</b>	

Stockholm 29 to 30 October 2009

# Innoforum **S E + C H**

Swedish-Swiss Innovation and Clean Tech Forum

13.25–15.15 h	<p><b>Stream A:</b></p> <ul style="list-style-type: none"> <li>• Chair's Introduction: <b>Kjell Jansson</b>, CEO, Swedish Energy</li> <li>• Thematic overviews Switzerland and Sweden, presentations by:             <ol style="list-style-type: none"> <li>a) CH: <b>Prof. Hans-Björn Püttgen</b>, Director, Energy Center, EPFL</li> <li>b) SE: <b>Stig Göthe</b>, Chairman, Powercircle Sweden</li> </ol> </li> <li>• Short Presentations (each: 5 min., +2 min. Q&amp;A): <i>details page 6-7</i></li> </ul>	WTCS, Room "New York"
13.25–15.15 h	<p><b>Stream B:</b></p> <ul style="list-style-type: none"> <li>• Chair's Introduction: <b>Tomas Kåberger</b>, Managing Director, Swedish Energy Agency</li> <li>• Thematic overviews Switzerland and Sweden, presentations by:             <ol style="list-style-type: none"> <li>a) CH: <b>Prof. Armin Binz</b>, University of Applied Sciences Northwestern Switzerland</li> <li>b) SE: <b>Dr. Ivo Martinac</b>, Head of Division, Sustainable Buildings Systems, Dept. of Energy-Technology, KTH and; <b>Britt Almqvist</b>, General Manager, Ahlqvist-Almqvist Architects</li> </ol> </li> <li>• Short Presentations (each: 5 min., +2 min. Q&amp;A) : <i>details page 6-7</i></li> </ul>	WTCS, Room "Atlanta"
13.25–15.15 h	<p><b>Stream C:</b></p> <ul style="list-style-type: none"> <li>• Chair's Introduction: <b>Carl-Johan Koivisto</b>, Director, Corporate Strategy and Business Development SAAB</li> <li>• Thematic overviews Switzerland and Sweden, presentations by:             <ol style="list-style-type: none"> <li>c) CH: <b>Prof. Konstantinos Boulouchos</b>, Institute for Power Engineering, ETHZ</li> <li>d) SE: <b>Prof. Björn Birgisson</b>, Road and Rail Technology, KTH Royal Institute of Technology</li> </ol> </li> <li>• Short Presentations (each: 5 min., +2 min. Q&amp;A) : <i>details page 6-7</i></li> </ul>	WTCS, Room "Sidney"
15.15-16.00 h	<b>Coffee / free networking</b>	WTCS, "Piazzan"
16.00-18.45 h	<p><b>Parallel visits at relevant companies:</b></p> <p>Stream A: <b>Vattenfall: leading European energy company</b>, <a href="http://www.vattenfall.com">www.vattenfall.com</a></p> <p>Stream B: <b>Kungsbrohuset Jernhusen: eco smart building</b>, <a href="http://www.kungsbrohuset.se/Global/StartPage/KungsbrohusetInEnglish.pdf">www.kungsbrohuset.se/Global/StartPage/KungsbrohusetInEnglish.pdf</a></p> <p>Stream C: <b>Scania: leading manufacturer of trucks and buses</b>, <a href="http://www.scania.com">www.scania.com</a></p>	
18.40 h	<b>Departure "Dinner cruise"</b>	Clarion Hotel Sign
19.30 h	<b>Dinner at the Swedish Ministry for Foreign Affairs</b> ( <i>limited participation</i> )	Dress code: Dark Suit

## Friday, October 30, 2009

When	What	Where
As of 07.00 h	Individual breakfast & individual check out ( <i>luggage storage</i> )	Clarion Hotel Sign
07.45	Individual walk to the Conference Center ( <i>Swiss participants</i> )	
<b>07.30</b>	<b>Registration and pick-up of updated and personalized one-to-one meeting schedule</b>	WTC, Information Desk
<b>08.00-08.30 h</b>	<b>Plenary “The Cleantech Investment Climate”</b>	WTCS, Room “New York”
08.00-08.15 h	Swedish perspective: <b>Prof. David Sonnek PhD</b> , Head Business Development/Technology, SEB Venture Capital	
08.15-08.30 h	Swiss perspective: <b>Markus Moor</b> , Partner, emerald Technology Ventures	WTCS, Room “New York”
<b>08.45-10.45 h</b>	<b>Prearranged “one-to-one” meetings</b> 6 consecutive partnering slots (lasting 20 minutes each). These slots will be organized as parallel meetings, individually for each participant.	WTCS, “Piazzan”
10.45-11.00 h	Coffee break	WTCS
11.00-11.30 h	<b>Plenary – Keynote Speech by Jan-Eric Sundgren</b> , SVP, Public & Environmental Affairs, AB Volvo. Subject: “ <i>Clean tech and innovations. Building of a successful Europe. Some aspects from the Volvo Group.</i> ”	WTCS, Room “New York”
<b>11.30-12.00 h</b> (5-10 min. Q&A)	<b>Plenary – Closure / Wrap-up</b> <ul style="list-style-type: none"> <li>- <b>Mauro Dell’Ambrogio</b>, Swiss Secretary of State for Education and Research</li> <li>- <b>Prof. Lena Gustafsson</b>, Deputy Director General Vinnova</li> <li>- <b>Prof. Rudolf Minsch</b>, Chief Economist and Head Economic Policy Section, Economiesuisse</li> </ul> Moderation: <b>Beat Glogger</b>	WTCS, Room “New York”
12.00-13.30 h	<b>Networking lunch (standing)</b>	WTC Restaurant
	<b>Afternoon Session</b>	
<b>13.30-13.45 h</b>	Transfer to Hammarby Sjöstad by bus	Departure from WTCS
<b>13.45-16.00 h</b>	<b>Visit at “Sustainable City” Hammarby Sjöstad: Presentations</b>	
16.00 h	End of the “InnoForum SE+CH”	

**Thematic Workshops: October 29, 13.25-15.15 h**

**Participants' Presentations**

13.25–15.15 h	<p><b><u>Stream A: Renewable Energy / Power Systems</u></b></p> <p>Chair's Introduction: <b>Kjell Jansson</b>, CEO Swedish Energy</p> <p>Overview CH (15 min.): <b>Prof. Hans-Jörg Püttgen</b>, Dir. Energy Center, EPF Lausanne          Overview SE (15 min.): <b>Stig Göthe</b>, Chairman, Powercircle</p> <p>Short Presentations (each: 5 min., +2 min. Q&amp;A)</p> <ul style="list-style-type: none"> <li>• <a href="#">Energy Storage</a>, <a href="#">ABB</a>, Per Hallvarsson SE</li> <li>• <a href="#">Alternative Energy Production</a>, <a href="#">CSEM</a>, Thierry Meresse CH</li> <li>• <a href="#">Unlocking solar energy</a>, <a href="#">Solarus</a>, Anders Edoff SE</li> <li>• <a href="#">Autonomous Portable Solar Generator</a>, <a href="#">Pure Energies</a>, Laurent Cuénoud CH</li> <li>• <a href="#">Design and performance of the components in an internal DC grid for a wind farm</a>, <a href="#">Chalmers University</a>, Lena Max SE</li> <li>• <a href="#">Crown Gear based Angular Drives with Minimal Noise Emission</a>, <a href="#">ASS-Evolvere</a>, Hansruedi Früh CH</li> <li>• <a href="#">3nine separation technology – Innovative air purification</a>, <a href="#">3-nine</a>, Torbjörn Nordström SE</li> <li>• <a href="#">Mechanical Integrity of High Temperature Components</a>, <a href="#">EMPA</a>, Stuart Holdsworth CH</li> <li>• <a href="#">The next generation Thermo electric chip</a>, <a href="#">Beakon Technologies</a>, Niklas Larsson SE</li> <li>• <a href="#">TransAT: Computer Simulation Tool for Fluid Flow &amp; Heat Transfer</a>, <a href="#">Ascomp</a>, Djamel Lakehal CH</li> <li>• <a href="#">Energy efficiency - free from electromagnetic interference</a>, <a href="#">NFO Drives</a>, Hans Landvik SE</li> </ul>	WTCS, Room "New York"
13.25–15.15 h	<p><b><u>Stream B: Sustainable Building &amp; Urban Planning</u></b></p> <p>Chair's Introduction: <b>Tomas Kaberger</b>, Managing Director, Swedish Energy Agency</p> <p>Overview CH (15 min.): <b>Prof. Armin Binz</b>, Univ. of Applied Sciences Northwestern Switzerland          Overview SE (15 min.): <b>Dr. Ivo Martinac</b>, Head of Division Sustainable Buildings Systems, Dept. of Energy-Technology, KTH; and  <b>Britt Almqvist</b>, General Manager, Ahlqvist-Almqvist Architects</p> <p>Short Presentations (each: 5 min., +2 min. Q&amp;A)</p> <ul style="list-style-type: none"> <li>• <a href="#">SolarGIS: GIS-based assessment of solar irradiance and potentials for active solar technologies</a>, <a href="#">Ilea – Hepia University</a>, Reto Camponovo CH</li> <li>• <a href="#">Solar Powered Air Conditioning</a>, <a href="#">Climate Well</a>, Johan Larssen SE</li> <li>• <a href="#">Thermo-acoustics</a>, <a href="#">Pico Term</a>, Ulf Sundman SE</li> <li>• <a href="#">Climate tailored constructions</a>, <a href="#">ETHZ University</a>, York Ostermeyer CH</li> <li>• <a href="#">Electrochromic glazing for use in buildings</a>, <a href="#">Cromogenics</a>, Thomas Almesjö SE</li> <li>• <a href="#">Pavatex: wood fibre boards</a>, <a href="#">Pavatex</a>, Martin Brettenthaler CH</li> <li>• <a href="#">Comfortable and energy efficient heating and ventilation system</a>, <a href="#">Camille Bauer</a>, Max Ulrich CH</li> <li>• <a href="#">The cheapest and fastest energy source is energy efficiency</a>, <a href="#">Aura Light</a>, Sara Berglund SE</li> <li>• <a href="#">Clean Light Source of High Efficiency: 2nd Generation Sulphur Lamp</a>, <a href="#">HEIG-VD University</a>, Gilles Courret CH</li> </ul>	WTCS, Room "Atlanta"

<b>13.25–15.15 h</b>	<p><b>Stream C: Transportation</b></p> <p>Chairs Introduction: <b>Carl-Johan Koivisto</b>, Dir. Corporate Strategy &amp; Business Development, SAAB Bofors Dynamics</p> <p>Overview CH (15 min.): <b>Prof. Konstantinos Boulouchos</b>, Inst. for Power Engineering ETHZ</p> <p>Overview SE (15 min.): <b>Prof. Björn Birgisson</b>, Road and Rail Technology, KTH</p> <p>Short Presentations (each: 5 min., +2 min. Q&amp;A)</p> <ul style="list-style-type: none"> <li>• <a href="#">The Green Train programme</a>, <a href="#">Bombardier</a>, Henrik Tengstrand SE</li> <li>• <a href="#">Biotech approach to oil spills</a>, <a href="#">OTI - Oil Treatment International</a>, Ernst D. Froehlich CH</li> <li>• <a href="#">The role of different advanced vehicle technologies in achieving stringent CO2 targets: results from global energy systems modelling</a>, <a href="#">Chalmers University</a>, Maria Grahn SE</li> <li>• <a href="#">Ceramic Foams as Catalyst Substrates</a>, <a href="#">EMPA</a>, Christian Bach CH</li> <li>• <a href="#">A revolutionery way to reduce friction losses</a>, <a href="#">Applied Nanosurfaces</a>, Mattias Karls SE</li> <li>• <a href="#">Drive Systems Engineering</a>, <a href="#">Drivetek</a>, Daniel Giezendanner CH</li> <li>• <a href="#">Smart Batteries for Electric Vehicles</a>, <a href="#">Bacher Energie AG</a>, Rainer Bacher CH</li> <li>• <a href="#">KTH City Concept Car Centre – KTH C4</a>, <a href="#">KTH University</a>, Dan Zenkert SE</li> <li>• <a href="#">Clean car "Softcar"</a>, <a href="#">Domteknika SA</a>, Jean-Luc Thuliez CH</li> <li>• <a href="#">Rapid mapping</a>, <a href="#">Saab Bofors Dynamics</a>, Pontus de Laval SE</li> </ul>	WTCS, Room "Sidney"
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### **Visit at Hammarby Sjöstad: Friday, October 20, 13.30-16.00 h**

When	What	Who
14.00	Arrival at Hammarby Sjöstad by bus	Reception at Hammarby Sjöstad
14.05-14.30	Planning of the sustainable city area Hammarby Sjöstad - Presentation of a "Symbiocity" concept in practice	<b>Stellan Fryxell, Partner of Tengbom Architects, Project developer Hammarby Sjöstad</b>
14.30-14.50	Effective use of Energy - today and in the future	<b>Jens Bjöörn, Communications manager Fortum Heating</b>
14.50-15.05	Towards a sustainable public transport system	<b>Stefan Wallin, Manager Sustainable Development Stockholm Public Transport Authority</b>
15.05-15.15	Automatic Waste Collection	<b>Klas Torstensson, Manager Technical Sales Envac</b>
15.20-15.35	Short walk through Hammarby Sjöstad	
15.35-16.00	Demonstration of the Envac's Automatic Waste Collection System (in two groups).	<b>Klas Torstensson, Manager Technical Sales, Envac</b>
16.00	Departure / End of visit	