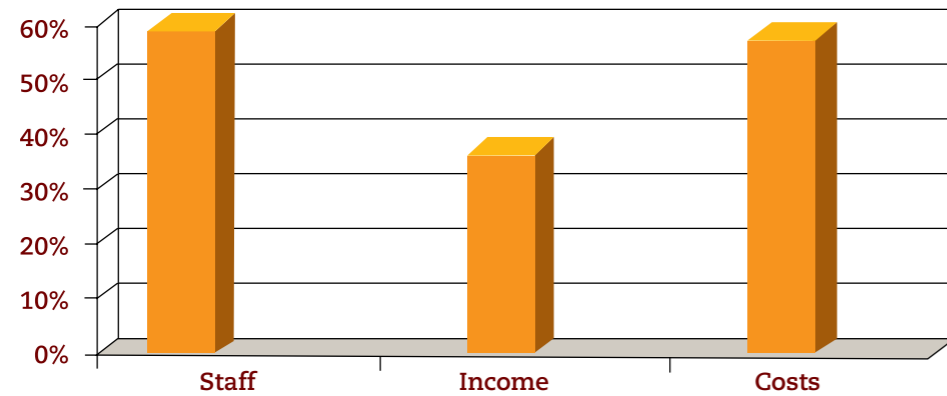


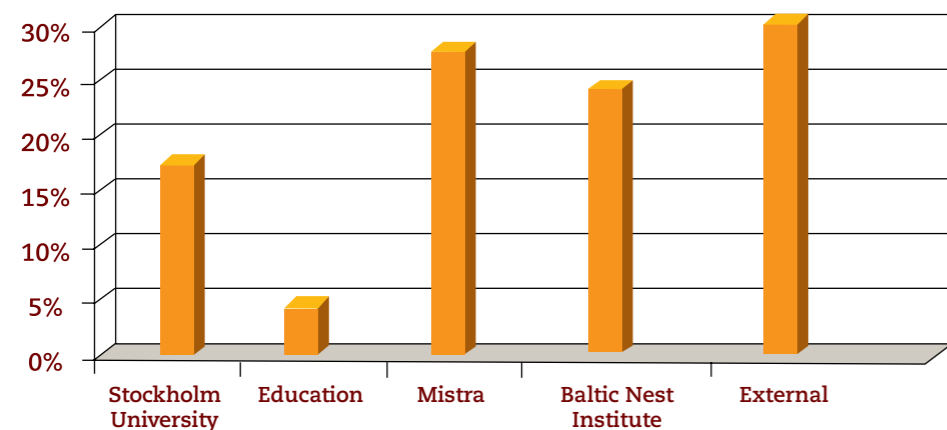
# Accounts in brief

## Expansion of Stockholm Resilience Centre



- Expansion in terms of increased number of research staff of 20 Full Time Equivalent (FTE)/ or 59%. SRC now have FTE 54.
- In-Kind support from SEI and the Beijer Institute was FTE 2, or 7 persons or approximately 2 MSEK.
- Total Income increased with 36%, or 11,8 MSEK
- Total Costs increased with 56%, or with 16,1 MSEK

## Grant Allocated to SRC 2008 (Total: 37,4 MSEK)



- The subsidy from Stockholm University is in total 6 MSEK.
- Courses and Education gave 1,5 MSEK.
- Mistra gave 10 MSEK.
- Baltic Nest Institute allocated 8,8 MSEK, where 7,4 MSEK came from The Swedish EPA.
- External grants during 2008 were 11,1 MSEK, divided among Formas 6,9 MSEK, Sida 2,1 MSEK and other 2,1 MSEK.

## Appendix A. Publications

### Books in progress (signed contracts)

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Olsson, P. and V. Galaz (in press) Transitions to adaptive water management and governance in Sweden. In D Huitema and S. Meijerink (editors), Understanding Transitions in Water Management. Forthcoming Edward Elgar Publishing.

Peterson, GD. In Press. "Ecological limits to adaptation" in > Living with climate change: limits to adaptation. Edited by N. Adger, and K. O'Brien. Cambridge University Press.

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Schultz, L and Fazey I. Effective leadership for adaptive management. In Allan C. and Stankey G. (eds.) Adaptive Environmental Management: A practical guide. Springer.

Soussan, J., Barron, J., Noel, S. (forthcoming). Water and poverty linkages in Africa: A literature review. Report commissioned by African Development Bank. Stockholm Environment Institute/African Development Bank (110pp).

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Sörlin, S. and P. Warde (eds.), 2009, Nature's End: Environment and History. Palgrave MacMillan, London.

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**Master theses of the Stockholm Resilience Centre**

During the year both the Ecosystem, Governance and Globalization programme and the Sustainable Enterprising programme were converted to 2-year Master's programmes and the schedules was changed to start in the fall term. Therefore, neither programmes have finished any Master's theses in 2008.

**Appendix B. Partnerships**

The Stockholm Resilience Centre collaborates with a great number of international research partners including:

Resilience Alliance

ARC Center of Excellence for Coral Reefs Studies, James Cook University, Australia

The research group on social-ecological resilience at University of Alaska Fairbanks, USA

The Fenner School of Environment and Society, Australian National University, Australia

Nelson Institute for Environmental Studies and the Center for Sustainability and other groups at University of Wisconsin, USA.

Oxford Centre for the Environment, University of Oxford, UK

Ashoka Trust for Ecology and the Environment (ATREE), Bangalore, India

Institute for Economic Growth, Dehli

Tyndall Centre, University of East Anglia, Norwich, UK

Center for the Study of Institutional Diversity and School of Human Evolution and Social Change, Arizona State University, USA

CSIRO, Canberra and Townsville, Australia

SARAS, South American Institute for Resilience and Sustainability, Montevideo, Uruguay

Potsdam Institute for Climate Impact Research, PIK, Germany

Department of Environmental Sciences, Wageningen University, The Netherlands Natural Resources Institute, University of Manitoba, Winnipeg, Canada.

Gund Institute for Ecological Economics, University of Vermont, USA

International Geosphere-Biosphere Program, (IGBP)

International Human Dimension program on Global Environmental Change (IHDP)

Earth Systems Science Program (ESSP)

Governance for Sustainable Development program at the Donald Bren School of Environmental Science and Management, USA

School of Earth Science and other groups at Stanford University, USA

Sustainability Science Initiative and Clark University, USA

UNESCO, Ecological and Earth Science and Man and the Biosphere Program MAB

University of Cape Town, South Africa

Rutgers University, USA

International Institute for Environment and Development, IIED, UK

Several CGIAR institutes, particularly IWMI, ICRISAT and ICRAF.

The SEI research network Sumernet (Sustainable Mekong Research Network) that includes research institutions in the Mekong river basin.

**Appendix C. Presentations****Scientific presentations**

A large number of the Stockholm Resilience Centre researchers gave scientific presentations, participated as panel members or moderated panel discussions at the Resilience 2008 – International science and policy conference: “Resilience, adaptation and transformation in turbulent times - preparing for change in social-ecological systems”, held 14-17 April 2008, in Stockholm. The Stockholm Resilience Centre contributions are not included here but can be found on the conference website: [www.resilience2008.org](http://www.resilience2008.org). April

Resilience Seminar in Honour of Professor C.S. Holling, Royal Swedish Academy of Science, Stockholm. Folke, C., Galaz, V., Gordon, L., Noone, K., Petersen, G.D., Rockström, J., Schultz, L.; participated with presentations, as panel members or moderated panel discussions. November

Formas visit, Stockholm Resilience Centre. Presentations by Biggs, O., Colding, J., Crépin, A.S., Folke, C., Enfors, E., Hermansson Török, E., Humborg, C., Moberg, F., Norberg, J., Nyström, M., Olsson, P., Peterson, G.D., Rockström, J., Österblom, H. December

Barron, J. Africa Green Revolution Conference: An Alliance for Action, Oslo: Panel member in “Technologies and processes for sustainable usage of and access to water”. August

Barron, J., Enfors, E., Rytter, S., Sandahl, 9th Waternet/WARFSA /GWPSA symposium Johannesburg: “Green-blue flow dependency in rainfed agro-eco systems: livelihood analysis in Makanya watershed, NE Tanzania”. October

Barron, J., Noel, S., 9th Waternet/WARFSA/GWPSA symposium Johannesburg: “The values of agricultural water management interventions in meso-scale catchments: a synthesis of cases”. October

Bodin, Ö., Oikos conference, Lund, “Network based models of fragmented landscapes concept, applicability and predictability”. February.

Bodin, Ö., Workshop on “Ecosystem Services: Solution for problems or a problem that needs solution?” Salgau Castle, Germany, “Network based models of fragmented

landscapes assessing different scales of connectivity”. May

Crépin, A.-S., Norberg, J., Mäler, K.-G., de Zeeuw, A. European Association of Environmental and Resource Economists (EAERE) Conference, Gothenburg. June

de Zeeuw, A. Workshop by Institute GERAD, University of Montreal, Presentation, “Dynamic Games in Management Science”. May

de Zeeuw, A. Workshop by the Universities of Montreal, McGill, QECAM and Concordia, Montreal, Presentation “Natural Resources and Environmental Economics”. May

Elmqvist, T., COP9 of the CBD, Bonn, presentations on Urban Biodiversity as part of the CBD initiative “Cities and Biodiversity”. May

Elmqvist, T., Mayors Conference – Local action for biodiversity. Parallel event to the 9th Conference of the Parties of the UN Convention of Biological Diversity, Bonn, Invited expert: “Biodiversity and ecosystem services in urban landscapes: examples and role in urban planning”. May

Elmqvist, T., Meetings and coordinated efforts by the Stockholm Resilience Centre and University of Antananarivo of building an interdisciplinary research centre in Madagascar. August

Elmqvist, T., Presentation at 1st MESA International Conference organized by UNEP, UNEP Headquarters, Nairobi. Addressing the role of African Universities in meeting the challenges of climate change, with more than 48 vice-chancellors from African Universities participating.. November

Falkenmark, M., Rockström, J., IGBP scenario meeting, Lund.

Folke, C., Olsson, P., Marine meeting of the Resilience Alliance, Santiago, Chile. January

Folke, C., Falkenmark, M., Symposium in honour of Uno Svedin. February

Folke, C., Tokyo University seminar at Stockholm Resilience Centre. March

Folke, C., Persson Å., Rockström, J., Steffen, W., Sörlin, S. Tällberg Forum, Tällberg, Science workshop on planetary boundaries and tipping points. June

Folke, C., Walker, B., Galaz, V., de Zeeuw, A., Mäler, K.-G., Beijer-Askö science meeting, Askö. September

Folke, C., Blenckner, T., Crépin, A.-S., Crona, B., Nyström, M., Troell, M., Österblom, H., Worldfish meeting, Stockholm Resilience Centre. September

Folke, C., Boyd, E., Galaz, V., Olsson, P., Schultz, L., von Heland, J., Barthel, S., Lundholm, C., STEPS Centre Symposium 2008, The Freeman Centre, Sussex University. “Reframing Resilience: Transdisciplinarity, reflexivity and progressive Sustainability”. September

Folke, C., Blenckner, T., Österblom, H. ICES SRC Baltic Nest meeting. October

Folke, C., Österblom, H., IIASA meeting, Laxenburg, Vienna, Stockholm Resilience Centre, Nest and its research. November

Galaz, V., Olsson, P., Université Européenne et Internationale d'Été de Niort, Niort, Invited speakers at an international seminar on global governance beyond sustainable development. September

Gerger Swartling, Å., Nilsson, A.E., 8th Mistra-SWECIA Science Seminar, Stockholm Resilience Centre, Presentation “Social learning: strengthening the capacity to adapt”. November

Humborg, C., Workshop on models for assessing the eutrophication risk of phosphates in detergents in the Baltic Sea, Stockholm Resilience Centre. Presenter “Possible effects of banning P containing detergents on total riverine P load to the Baltic Sea”. September

Olsson, P., Smith, A., Voss, J.-P., Galaz, V., IHDP conference “Long-Term Policies: Governing Social-Ecological Change”, Berlin, Organized the session “Shaping Dynamic Systems - Diversity and Convergence Amongst Approaches to Governance in Various Research Traditions”. February

Olsson, P., Conference of the German Society for Human Ecology, Sommerhausen, Invited keynote speaker “Human/Nature Interactions in the Anthropocene: Potentials of Social-Ecological Systems Analysis”. May

Olsson, P., “Transitions in water management - Open international symposium”, Amsterdam, Invited speaker. July

Olsson, P., 11th International Coral Reef Symposium, Fort Lauderdale, Florida, Invited Speaker. July

Olsson, P., International European Summer University, Niort Invited speaker “Global Governance and New Ideal for Civilisation. The rising of a new object”. September

Petersen, G.D., “Living with climate change: are there limits to adaptation?” London, Keynote talk “Ecological Surprises: Resilience, adaptation, and collapse”. April

Petersen, G.D., Tyndall Centre, University of East Anglia, UK, “Ecological Surprises: Resilience, adaptation, and collapse”. April

Petersen, G.D., Understanding bundles of ecosystem services. Finding relevant scales for management of multiple ecosystem services in the agricultural landscape, Stensoffa. June

Petersen, G.D., Symposium Energy Climate Conflict and Bio-Fuels: A North-South Perspective, INK Stockholm University, “Will increased bio-fuel production produce ecological surprises?”. September

Rockström, J., UNEP Governing Council meeting, Monte Carlo. February.

Rockström, J., KVA, Stockholm, ”Ett hållbarhets perspektiv på biobränslen. April

Rockström, J., KSLA, “Stockholm Innovative agricultural approaches for climate resilience Agriculture, climate change and development”. April

Rockström, J., Framtidsdiskussion KSLA, Stockholm, ”Hållbar förvaltning av jord och skog i “Anthropocene””. October

Rockström, J., KSLA, Stockholm, ”Innovativa ansatser för resiliens i jordbruket ur ett klimat-perspektiv”. October

Rockström, J., European Science Foundation, Stockholm, “Global research cooperation: What are the lessons from global change research?”. November.

Savchuk, O.P., Workshop on models for assessing the eutrophication risk of phosphates in detergents in the Baltic Sea, Stockholm Resilience Centre, “Modelling effects of P reductions on the environmental status of the Baltic”. September



Troell, M., EU Sixth framework programme priority, Lisbon, Presentation “Ecological and socio-economic trade-off analysis and comparison of status quo, conventional sewage treatment, constructed mangrove wetlands for sewage remediation and strategic reforestation/ conservation”. Within PUMPSEA- Peri-urban mangrove forests as filters and potential phytoremediators of domestic sewage in East Africa. May

Troell, M., IFS/WIOMSA Workshop “Ecology, Resources and Management of Tropical Seascapes: from Theory to Practise, Zanzibar, Invited speaker. October

Österblom, H. ICES integrated assessment working group. Öregrund, “Resilience and adaptive management.” May

Österblom, H., ICES Annual Science Conference, Halifax, Canada “Adaptive management of the Baltic Sea, using Nest”. September

**Policy fora/popular presentations**

Barron, J., Hatibu, N., SIWI seminars, Stockholm, “Tradeoffs or opportunities? A think piece on biofuels, land and livelihoods in SSA”. August

Boyd, E., Commission on Climate Change and Development, Ministry of Foreign Affairs (UD), Human Dimension Expert Meeting, Stockholm, Invited expert to assess the approach and policy relevance of a draft paper entitled ‘The human dimension of climate change’ for a framework to address climate change adaptation for the Commission on Climate Change and Development. January

Boyd, E., International Commission on Land Use Change, Globe International, Westminster, London, Expert reviewer. September

Eckerberg, K., Conference on Outdoor Recreation for Youngsters (Tankesmedjan Fritt Fram för Friluftsliv), Sänga-Säby, arranged by the Swedish Environmental Protection Agency and the Swedish National Agency for Education, Learning in Local Nature Conservation projects in Sweden. March

Elmqvist, T., Folke, C., Rockström, J., Meeting with Madagascar’s government, Stockholm Resilience Centre. August

Elmqvist, T., Folke, C., Mäler, K-G., Polasky, S., Swedish Parliament, Seminar arranged by Albaeco on the “Economics of Ecosystems and Biodiversity, TEEB”. October

Folke, C., Royal Swedish Academy of Science, Presentation for the Royal families of Luxembourg and Sweden. April

Folke, C., Vermeulen A., Royal Academy of Fine Arts, Stockholm, “A science and arts dialogue”. May

Folke, C., Noone, K., Rockström, J., Sörlin, S., Scientific workshop on Planetary boundaries, Tällberg forum, Tällberg. June

Folke, C., Österblom, H., Wulff, F. Meeting on Marine Issues with Nordic Ministers of the Environment, Askö. September

Folke, C., Olsson, P., Schultz, L. Meeting on the development of Resilience Alliance-Connectors with Albaeco, Stockholm. October

Folke, C., Volvo Environment Prize ceremony, Presentation of resilience research. November

Folke, C., Rockström, J., Kunskapens Krona, SVT, Nov

Galaz, V., International Commission for Climate Change and Development, Stockholm, Presentation to the expert group. February

Gordon, L., Sida research conference Meeting Global Challenges in Research Cooperation, Uppsala, “ Making investments in dryland development work”. May

Gordon, L., Forskning and Framsteg’s (Popular science magazine) knowledge cruise, Åland, ”Grönt” vatten på en blå planet med vattenbrist. September

Hahn, T., Swedish Parliament, breakfast meeting, BNP, välfärd och hållbar utveckling, December

Humborg, C., Wulff, F., INIA-report, Brussels, Phosphorus. April

Humborg, C., Wulff, F., Johansson, S., HELCOM, Land-based Pollution Group, 13th Meeting, Presentation, Kaliningrad. May

Johansson, S., Savchuk, O., Sokolov, A., International Environmental Forum, S:t Petersburg, Baltic Sea Days,. March

Kadin, M., Österblom, H., Government assignment of a STERN like review, Swedish EPA, Stockholm, “Trends and scenarios exemplifying the future of the Baltic Sea and Skagerrak”. June

Mäler. K.-G. Danish Council of Economic Advisers, Meeting on environment and economics, Copenhagen, Invited keynote speaker. September

Mäler K.-G, First larger meeting that the French government organized after they took over the chair of EU, Paris, Presentation on management of ecological services at the. September

Nekoro, M., Svedén, J., Schultz, L, Workshop on ecosystem services, Kristianstad. Organisation of a workshop with local stakeholders in the Biosphere Reserve for presentation and feedback of results of the analyses “Ekosystemtjänster i Kristianstads Vattenrike” (Ecosystem services in Kristianstads Vattenrike). September

Rockström, J., Swedish Parliament’s Foreign Affairs Committee, “Förvaltning av klimatförändring och globala miljörisker”. March

Rockström, J., Tällberg Conversation: Increasing interdependencies: Perspectives on Social-Ecological Resilience, Tällberg, “Do we underestimate the complexity of risk?” March

Rockström, J., Swedish Parliament, Stockholm, “Vad innebär dagens utmaning för mänskligheten? Natur, plånbok och människa i balans - nya argument och idéer för framtidens politik”. May

Rockström, J., Tällberg Forum, Tällberg, “Defining planetary boundaries and tipping points”. June

Rockström, J., COPENMIND, Copenhagen, “Building Resilience in the Anthropocene. The challenge of transforming societies in the face of abrupt planetary change”. September

Rockström, J., Presentation, House of Sweden, Washington. October

Rockström, J., Globala Miljöutmaningar, Hållbar Utveckling i Anthropocene, Naturvårdsverket, Chefsgruppsinternat, Högberga Gärd. October

Rockström, J. “Planet 2050” conference, Lund, Invited

speaker. October.

Rockström, J., “Making business in the Anthropocene. The Scientific Basis why Ecosystem Service Reviews is good for business”.

Schultz, L., Fazey, I., 3rd World Congress on Biosphere Reserves, Madrid, “Strictly for Biosphere Reserve managers: Facilitated open-space workshop for exchanging knowledge and experience of managing Biosphere Reserves”. February

Troell, M., Seminarium för erfarenhetsutbyte om utvecklings-insatser på det marina området, Lökeberg, Invited speaker, “Forskningsprogram- Sida finansierad forskning i Östafrika”. August

Wulff, F. Royal Swedish Academy of Sciences, Stockholm, Seminar on possible solutions to oxygen problems in the Baltic Sea, “The Baltic Sea Action Plan for nutrient reductions”. Jan

Wulff, F., Sjöfartsdagen, Östersjöseminarium, Stockholm, “Östersjöns ekologi med tonvikt på övergödning”. February

Wulff, F., Forum för miljöforskning 2008 – VATTEN, Panel member in “Går politiken och vattenarbetet hand i hand?” February

Wulff, F., Läkare för Miljö, Uppsala, ”Östersjöns ekologi”. Februari

Wulff, F., Finansdepartementet, BNI Stockholm, Näringslivsinitiativ. March

Wulff, F., Swedish Ministry of the Environment, Stockholm, Meeting with the Polish Environmental Minister concerning HELCOM and its Baltic Sea Action Plan, Presentation of Baltic Nest Institute and Swedish commitments within BSAP. May

Wulff, F., EU Joint Research Center, Ispra, Italy, “The Baltic Sea, yesterday, today, tomorrow”. May

Wulff, F., Naturvårdsverket, Stockholm, ”Models of BNI”. May

Wulff, F., SIDA, Stockholm, Invited panel member: Svensk Östersjödag 2008 - Grannlandssamarbete för en bättre miljö. May

Wulff, F., Federal Maritime and Hydrographic Agency, Hamburg, “Eutrophication of the Baltic Sea - Linking scientific knowledge and uncertainties with environmental management”. July

Wulff, F., 2nd informal meeting HELCOM/PLC-5/BNI/EMEP, Helsinki. October

Wulff, F., HELCOM BSAP IG, Helsinki, , “Updating BSAP with PLC5” ., December

Wulff, F., Seminar: Marine science contribution to regional seas strategies, “Science-based decision making tool NEST – practical instrument for setting targets and distributing nutrient loading quotas in the HELCOM Baltic Sea Action Plan”. December

Österblom, H., Swedish Society for Nature conservation, Stockholm, “EU:s gemensamma fiskepolitik – i ett ekosystemperspektiv”. February

Österblom, H., Högskolan på Gotland, “Torsken i Östersjön - 100 år av mänsklig påverkan”. February

Österblom, H., Polish Environmental NGO meeting, Warsaw, “Can we save the Baltic Sea?”. May

Österblom, H., European Parliament Seminar arranged by MEP Fjellner and Baltic Sea 2020 foundation, Brussels, “The role of cod in the Baltic Sea”. June

Österblom, H., IPBES, Minister meeting , UNEP Stakeholder Consultation, Kuala Lumpur. November

Österblom, H., The Swedish Liberal Party and Baltic Sea 2020 foundation, Stockholm, ”Fisk i Östersjön och torskens roll”, ”Torskfisket i Östersjön – strålande framtidsutsikter?” October

Östersjön, H., Bleckner, T. ICES. Report of the Baltic Fisheries Assessment Working Group (WGBFAS). ICES CM 2008/ACOM:06

**Appendix D. Staff**

Below are only staff members that have been employed or financed directly from the Stockholm Resilience Centre during 2008.

**Management, administration and communication**

Executive Director	Johan Rockström, Prof.
Science Director	Carl Folke, Prof.
Assistant Director	Christina Schaffer, MSc
Head of Finance and Admin.	Kristina Hagqvist, BSc
Finance Administrator	Rickard Castillus, MSc
Head of Communications	Ellika Hermansson Török, MSc
Communications Officer	Cajsa Martinsson, MSc
Web Editor	Sturle Hauge Simonsen, MSc
HR Support	Karin Schéle
ED Assistant	Teresa Ogenstad
Office Manager	Felicity Rolf
Office Manager	Christina Leijonhuvud
Office Manager	Anna Sundbaum
Office Manager	Agneta Sundin
IT Manager	Lars Gustavsson

**Education**

Chairman of RTM	Klas Åmark, Prof
Director of Studies	Thomas Hahn, PhD
Programme Director	Lisa Deutch, PhD
Programme Director	Miriam Huitric, PhD
Course Administrator	Johan Ahlenius, MSc
Course Coordinator	Marmar Nekoro, MSc
Course Coordinator	Jennie Svedén, MSc
Course Coordinator	Johan Törnberg, MSc
Course Leader	Markus Larsson, PhD

**Research themes**

**The new economics of complex social-ecological systems**

Theme Leaders:	Aart de Zeeuw, Prof.
	Karl-Göran Mäler, Prof.
	Anne-Sophie Crepin, PhD