



# 2018

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Annual Report  
2018

**GOTHENBURG CENTRE FOR  
SUSTAINABLE DEVELOPMENT (GMV)**



**CHALMERS**  
UNIVERSITY OF TECHNOLOGY



UNIVERSITY OF GOTHENBURG



# 2018

Gothenburg Centre for  
Sustainable Development (GMV)

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Annual Report  
2018



Jan Pettersson was appointed new Director of Gothenburg Centre for Sustainable Development (GMV) in 2018 and began his assignment on 1 June.

## Knowledge and Collaboration for a Sustainable World

In June 2018 I got the honourable task to lead the Gothenburg Centre for Sustainable Development (GMV), from being a member of the GMV research network for sustainable development, and also director of the Gothenburg Air and Climate network (GAC). To direct this academic centre for sustainable development is to manage and balance a pallet of disciplines and subjects, in a field where the challenges are many, the needs for action imminent, and the potential to find solutions extensive.

A sustainable development will not be achieved solely by one discipline or even one university, and there is an urgent need for interdisciplinary collaboration. Our mission from the heads of Chalmers University of Technology and the University of Gothenburg is to promote sustainable development in academia and collaborate with stakeholders in society. Our two universities have complementary strengths and capacities, and by strategic partnership we can have an important impact and together make a difference in society.

The universities also need to collaborate with stakeholders in business, public authorities and non-governmental organisations, so that we together can create new knowledge and find sustainable solutions. Strengthening the ties between research and practice by supporting communication and collaboration are central aspects of what we do.

**“A sustainable development will not be achieved solely by one discipline or even one university, and there is an urgent need for interdisciplinary collaboration.”**

Agenda 2030 and the Global Goals for sustainable development is an important framework that statues knowledge and collaboration as prerequisites for creating a better world. The seventeen goals focusing on people, planet, prosperity, peace and partnerships are vital for us as a framework and are reflected in our efforts.

I hope you will read our stories about activities, networks and events from 2018 – be inspired, follow us and collaborate with us.

A handwritten signature in black ink, appearing to read 'J Pettersson'.

Jan Pettersson  
Director of GMV



The Swedish Higher Education Act states that higher education institutions shall promote sustainable development to assure a sound and healthy environment, economic and social welfare, and justice for present and future generations. The Gothenburg Centre for Sustainable Development (GMV) is a Chalmers University of Technology and the University of Gothenburg joint organisation to promote sustainable development within research, education and cooperation. It answers directly to the Vice-Chancellor of the University of Gothenburg, **Eva Wiberg**, and President and CEO of Chalmers University of Technology, **Stefan Bengtsson**.

## Together for a Sustainable World

The core task of *Gothenburg Centre for Sustainable Development (GMV)* is to create and facilitate cooperation, between and within Chalmers and the University of Gothenburg, with an aim to generate and practically implement knowledge about sustainable development. In order to develop solutions to global challenges, GMV brings academic disciplines together to create new knowledge. Moreover, practical implementation of knowledge requires collaboration between academia and other actors in society. To this end, GMV creates meeting places and brings together different types of expertise in order to promote sustainable development within research, education and cooperation.



At the United Nation summit in the autumn of 2015, top policymakers from around the world adopted 17 challenging goals for the future that are to be achieved by 2030: the Sustainable Development Goals (SDGs). Learn more at [www.globalgoals.org](http://www.globalgoals.org)

### Seventeen Goals for One Future

The Global Goals for sustainable development, also known as the *Sustainable Development Goals (SDGs)*, are part of Agenda 2030, a document signed by 193 countries. The signatories are currently working to achieve all of the 169 targets in the agreement. GMV is assisting in this process by facilitating cooperation between researchers and other actors in society to ensure that knowledge about sustainable development is implemented in practice. The SDGs specify what sustainable development means in practice and that it is necessary for researchers and practitioners to meet and find solutions together. Some of GMV's activities in 2018 had a particular focus on the Global goals and all of GMV's projects and initiatives are in some way related to the achievement of the goals.

In this annual report you can read about some examples of the work performed and how they relate to the different Global Goals. The GMV office staff, managing the planning and day-to-day activities of the centre, have many years of experience in sustainable development research, communication, project management, facilitating interdisciplinary processes, event planning and cross-border collaboration.





“What we do in life echoes in eternity. Humanity and life as we know it depends on a stable climate. Unless we start reducing green house gases, substantially on a global scale, we won't have a stable climate.”

**Erik Sterner**, researcher at Chalmers and the University of Gothenburg, and member of the research network for sustainable development administered by GMV.

## Cross-border Network and Platform for Collaborative Projects

# 500

About 500 researchers and PhD students from over 40 departments at Chalmers and the University of Gothenburg are members of the research network for sustainable development.



Two out of 500. Sverker Molander at Chalmers and Kerstin Johannesson at the University of Gothenburg are members of the research network for sustainable development and discussed synergies and conflicts between SDG 15: *Life on land*, and SDG 7: *Affordable and clean energy*, in GMV's podcast about Agenda 2030 *Målmedvetenskap*.

The projects, networks and initiatives of GMV bring together a wide range of academic disciplines and areas of expertise. Our ambition is to create meeting places, both for researchers from various disciplines within the universities and also for academia, business, authorities and civil society.

### Multidisciplinary Research Network for Sustainable Development



GMV worked actively throughout 2018 to develop collaboration between members in the research network for sustainable development, for example by arranging thematic discussions together with other actors around different SDGs to promote cooperation across disciplinary boundaries. Around 500 researchers and PhD students at Chalmers and the University of Gothenburg are part of the research network for sustainable development administrated by GMV. The network's members represent a wide range of disciplines and a total of about 40 different university departments.

### Researchers in Dialogue about Sustainable Development and Tourism

GMV and the *Centre for Tourism* at the University of Gothenburg invited researchers from their respective networks to a dialogue meeting to discuss research on sustainable development and tourism and how it is connected to the Global Goals for sustainable development. The purpose of the lunch was to create new contacts between researchers from different disciplines and to discuss future research collaboration in tourism and sustainable development. The workshop sessions ended with four groups discussing for example: over-tourism, unsustainable travel habits, tourism in a blue economy, and healthy tourism. Several of the discussions led to the forming of new groups for future meetings and to seek future funding.



### From Knowledge to Action



The global initiative *Sustainable Development Solutions Network (SDSN)* was launched in 2012 by UN Secretary-General Ban Ki-moon. Through GMV, Chalmers and the University of Gothenburg host the regional network *SDSN Northern Europe*, which is an action-oriented network focusing on mobilising Nordic scientific and technological expertise to solve problems and create a more sustainable society. This year's *Solution Initiative Forum (SIF)* had the theme of Integration, promoting Nordic solutions with the focus on how to achieve a more integrated and inclusive society. The *Integration Solutions Report* was also launched and delivered to Catrine Bangum, Senior Advisor for the Nordic Council of Ministers. In order to strengthen the role of environmental economics in Swedish policy, SDSN Northern Europe and partners arranged a pre-conference, preceding the *6th World Congress in Environmental and Resource Economics (WCERE 2018)*. Afterwards, a series of thematic pre-conference reports was released. Furthermore, a pre-study was delivered to the Nordic Council of Ministers, which mapped existing Nordic research within the theme of SDG 12: *Responsible consumption and production* with the aim to construct a Nordic Science-Policy panel for Sustainable Solutions. To accelerate the transformation from knowledge to action, the initiative *SDGs in Universities* was begun.

### Supporting Young People's Engagement



*SDSN Youth in Northern Europe* conducted several projects in 2018, and among these the network took part in *ReGeneration 2030* and its annual summit held on the Åland Islands, Finland. The summit gathered over 100 young people from the Nordics and Baltic Sea regions and was devoted to topics related to SDG 12: *Responsible consumption and production*. The network also organised its first ever member summit in Stockholm, Sweden. SDSN Youth in Northern Europe, which is coordinated by GMV, is part of the SDSN with a focus on young people's engagement in, and contributions to, the SDGs.



“It is stimulating and rewarding to work with global, regional and local initiatives to transform societies towards sustainable development. SDSN Northern Europe mobilises Nordic knowledge institutions and uses science and technology to solve sustainability challenges.”

Martin Eriksson, Network Manager,  
SDSN Northern Europe.

# 42

**SDSN Northern Europe** is a network comprising 42 universities and knowledge institutions in Sweden, Finland, Denmark, Norway and Iceland.

# 30

**SDSN Youth in Northern Europe** has 30 member organisations.



The GAME network's new forum *Agenda 2030 in West Sweden* aims to engage and stimulate partnerships between business, academia and social actors in West Sweden.



“Sustainability and Agenda 2030 are central to KappAhl's operation. We know that drive, collaboration and innovation are particularly important to reach a sustainable development, conditions which our region has great possibilities to create. At KappAhl we see GAME as an enabler for strengthening these conditions.”

Fredrika Klarén, Head of Sustainability at  
KappAhl and member of GAME's advisory board.

### Launch of Agenda 2030 in West Sweden



In 2018, the *GAME* network officially launched a new open forum for collaboration, *Agenda 2030 in West Sweden*, which aims to strengthen the regional partnership between actors in West Sweden with capacity and interest in contributing towards the achievement of the SDGs. As part of the launch, new communication channels were set up in social media, a film-series about getting started with the SDGs was produced, and a conference attracting over 100 participants was arranged. The first forum meeting was held at the end of November, focusing on how mobility as a service can generate maximum value to society. The *GAME* network is headed by GMV and connects businesses, regional authorities, research organisations and civil society to stimulate cooperation and innovation for sustainable development in West Sweden.

### Towards a Sustainable Work Life



For yet another year, *Work and Employment Research Centre (WE)*, run by GMV, has drawn full houses to seminars about working life-related issues. For example, the year started with a seminar about the delicate right to strike. Due to a conflict that had arisen in the Gothenburg harbour, this had become a governmental issue that will potentially change Swedish law and have major effects on the “Swedish model”. The year of 2018 has also been the year of #Metoo, where the focus has been on equity, violations and sexual harassment in working life. A seminar organised by WE and *Centre for Global Human Resource Management (CGHRM)* was attended by a large number of participants. WE has also arranged seminars on working conditions in the staffing industry, LGBT-persons’ working conditions, and on the effects of digitalisation within the healthcare sector.

### Connecting Forest, Climate and Development Issues



During 2018, many of the core issues that the *Forest, Climate, and Livelihood research network (Focali)* focus on came under the spotlight. The public awareness on the urgency of climate change, and its’ relations to forests and sustainable land-use, was enhanced. Within Focali this was felt by increased interest from existing and new partners to improve utility of the knowledge generated by Focali members. The multidisciplinary research network, coordinated from GMV, now has more than 80 members at universities and research institutes across Sweden. Focali collaborates closely with the Sida-funded *Swedish International Agriculture Network Initiative (SIANI)* on issues related to landscapes and food-security. Other close partners of Focali for multi-sectoral collaborations include partners in the *Agroforestry Network*, *Stockholm International Water Institute (SIWI)* and *SLU-Global*. Focali arranged many joint activities with partners in 2018, such as events at the *Gothenburg Science Festival*, *the World Water Week*, *the Global Landscape Forum* and a report launch at *FORES* on how agroforestry can contribute to the SDGs.

8

In 2018, Work and Employment Research Centre (WE) arranged 8 different seminars about working life-related issues. The purpose of WE is to promote and support research, education, innovation and utilisation in the field of sustainable work and employment.



“We have a responsibility to share the knowledge that exists within our research network on complex socio-ecological challenges, such as how to reduce tropical deforestation while still enabling opportunities for local development. I hope that our new dialogue initiative around this topic can deepen collaboration between researchers and other actors and contribute to more sustainable pathways.”

**Maria Ölund**, Coordinator of the Focali research network on why Focali launched the Dialogue Initiative on The Future of the Brazilian Amazon together with GMV, SIANI, GAC, Gothenburg Global Biodiversity Centre (GGBC) and Lund University Centre for Sustainability Studies (LUCSUS).



“The work with engaging transport buyers will continue during the next year. It is currently the most urgent measure for reducing climate impact of transportation.”

**Urban Wästljung**, Senior Advisor of Public & Sustainability Affairs at Scania and chairperson of KNEG.

### Cooperation to Reduce the Climate Impact of Freight Transport



In 2018, the network *Climate Neutral Freight Transportation (KNEG)*, which is headed by GMV, continued its work to reduce CO<sub>2</sub> emissions from freight transports in the following sub-areas: more efficient transportation, more efficient vehicles, and increased use of renewable fuels. During the year KNEG decided to focus more on external communication, and in particular to increase dialogue with transport buyers to encourage them to demand more sustainable transportation. A newsletter was launched in June in which individual members of KNEG can share their ideas and good examples of how to achieve a climate neutral transportation. A workshop about the climate challenge imposed by the growth in e-commerce was arranged in November, which brought together KNEG members and some key transport buyers involved in e-commerce.

### A Network of Atmosphere and Climate Researchers



The *Gothenburg Air and Climate Network (GAC)* gathers over 250 researchers from approximately 20 different research groups, businesses and government agencies located in western Sweden and the city of Gothenburg. The network strives for increased cooperation and better coordination of resources and activities in atmospheric science and climate research. In 2018, as part of GAC’s transition from being run as a centre to a network within GMV, new leadership and board members were appointed for three-year terms. During 2018 GAC arranged its large two-day biennial membership meeting, in addition to several smaller seminars and events. GAC has also contributed to ongoing work at a rural research station in India, where continuous measurements are being made to examine air pollution ecosystem feedbacks. Similarly, the *PhotoSmog project* brings multiple GAC researchers together with Chinese collaborators in an effort to understand how urbanisation affects both climate and air quality.



Street art in Yangon, Myanmar where GMV contributes to the international training programme Sustainable Urban Water and Sanitation (SUWAS).



## Implementation of Research Findings and Provision of Knowledge

**G**MV strives to increase the implementation of research findings in society and to provide knowledge for sustainable development, both within Chalmers and the University of Gothenburg and for other organisations, businesses and public actors.

### Integrating Climate and Environment Issues in Swedish Development Cooperation



Experts at GMV serve as advisors to the Swedish International Development Cooperation Agency (Sida) in order to help them to better integrate environmental perspectives in Swedish development cooperation. This support is provided in a government collaboration, together with experts at the Swedish University of Agricultural Sciences (SLU) in Uppsala, through a joint *Helpdesk for Environment and Climate Change*. In 2018, the helpdesk organised several in-service trainings on environmental and climate integration for staff at Swedish embassies in Africa, Asia and Eastern Europe, as well as local partner organisations. By supporting integration of climate and environmental considerations in Swedish development cooperation, this advice contributes in concrete ways to Sweden's and the partner countries' operationalisation of Agenda 2030.

### Coaching on Sustainable Urban Water and Sanitation in Asia



GMV contributes to the Sida-funded international training programme *Sustainable Urban Water and Sanitation (SUWAS)* through a mentorship role for participants from Asia. The programme aims to help the countries to achieve SDG 6: *Clean water and sanitation*, by supporting individuals and key organisations in adopting more sustainable, inclusive and integrated water and sanitation solutions for people living in poor urban areas. Two programmes per year, with 30 participants each time, have been implemented. SUWAS started in 2016, and when the programme ends in 2020 the organisations of around 500 individuals from five Asian and five African countries will have increased capacity to provide universal and equitable water, sanitation and hygiene services.

# 200

In 2018 the *Helpdesk for Environment and Climate Change* carried out over 200 assignments for Swedish International Development Cooperation Agency (Sida). The collaboration includes expert support in Sida projects and programmes, international processes, country and regional analyses and support for development of methods and skills in Sida.



# 2030



Agenda 2030 and the Global Goals for sustainable development is an important framework that statutes knowledge and collaboration as prerequisites for creating a better world. The seventeen goals focusing on people, planet, prosperity, peace and partnerships are vital for us as a framework and are reflected in our efforts."

Jan Pettersson, Director of GMV.





Doctoral students from various disciplines and different universities in Sweden participated in the interdisciplinary PhD course *Sustainability Opportunities – Exploring Sustainability at the Cross-roads of Science and Society*.

### Capacity building on Strategic Environmental Assessment in Africa and Asia



In 2018, GMV and the international consultancy firm NIRAS carried out the final international training programme on strategic environmental assessment for government officials in Asia and Africa. In total, 349 individuals from 12 countries in Africa and Asia have completed the 18-month programme since 2013. The purpose of the Sida-funded programme is to contribute to increased environmental integration in key sectors in each respective country. Researchers from the University of Gothenburg participate as lecturers, and mentors from GMV support the participants' individual change projects. Participants have described the programme in very positive terms. Work was initiated during 2018 to follow up, understand and document results of the programme, and a survey was distributed to all participants. The results will be analysed and presented during 2019.

### Barriers and Drivers for Sustainable Development in Interdisciplinary PhD Course



In 2018, the interdisciplinary PhD course *Sustainability Opportunities – Exploring Sustainability at the Cross-roads of Science and Society* was offered for a second time, gathering 28 doctoral students from various disciplines and different universities in Sweden. The course has a focus on identifying solutions to the global challenges and analysing drivers for, and barriers to, change. Universities all over the world will need to play a pivotal role in addressing emerging global challenges. This graduate course is a joint venture by the University of Gothenburg and Chalmers to gather competence in the area of sustainability. GMV has developed the course together with teachers and researchers at both universities.



# 16

Sixteen doctoral students from various disciplines and departments participated in the interdisciplinary PhD course *From Research to Policy for Sustainable Development*, organised by GMV in 2018. The course gives doctoral students an understanding of political decision-making as well as tools to effectively inform policy- and decision-making processes and improve their communication skills.

“I wanted to make policy come out of my research. I now learnt how I can prepare a plan how to disseminate the results to the stakeholders. How my policy recommendations can be done in reality.”

Researcher from Vietnam National University of Forestry, one of the participants in the course in Bangkok where researchers learnt how to translate research into policy and practice.

### Strengthening Researchers in Strategic Cooperation for Sustainable Development



Research plays an important role in the implementation of Agenda 2030. GMV has the ambition to disseminate and strengthen knowledge and support researchers who want to bridge the gap between research and decision-making. GMV arranged courses and workshops in various contexts during 2018. Within the framework of the Sida-funded programme *Agriculture for Food Security 2030 (AgriFoSe2030) – Translating Science into Policy and Practice*, GMV organised a three-day course in Bangkok on research-policy interaction for 30 researchers in Asia.

In collaboration with researchers in the strategic research field *Biodiversity and Ecosystem services in Climate Change (BECC)*, GMV has produced and published a guide for researchers who want to develop more strategic and systematic outreach work.

### Research about Human Health Related to the Environment



In total 24 PhD students have been engaged in research at the intersection between health and the environment in the graduate school *Environment and Health*, which ended in 2018. Results and reflections were presented in a final report that highlights results that have a direct relevance to public health in the Region Västra Götaland. A large proportion of the projects address significant challenges for the society of the future, eg. antibiotic resistance, pandemics and vaccination, drinking water quality in a changed climate, nanoparticles, and air pollution health impact. The graduate school Environment and Health was a collaboration between the University of Gothenburg, Chalmers and Region Västra Götaland, coordinated by GMV.



### Carbon Offsetting Funding New Projects



The University of Gothenburg carbon offsets all work-related air travel through an internal climate fund administered by GMV. Staff and students can apply for grants from the fund to finance projects designed to reduce the University's climate impact. An important purpose of the climate fund is to enable researchers, teachers, students and other employees to actively participate in our common climate efforts. In 2018, 19 different projects were granted funding.

### Supporting the Integration of Sustainable Development in Education



A series of forums was arranged by GMV in 2018, with a focus on sustainable development in higher education. The forums have become a platform for various actors to meet and discuss how sustainable development can be integrated at the University of Gothenburg and Chalmers. Various issues have been addressed, such as how sustainable development can be systematically integrated into the curricula, with different faculties presenting good examples. It has also been discussed how interdisciplinary collaboration and cross-border cooperation can promote sustainable development, as well as the critical role that higher education plays in implementing and achieving the Global Goals. Each occasion has gathered a wide range of lecturers and participants from different disciplines and roles; researchers, employees and students.

### Students at EuroEnviro 2018 in Slovenia



In May 2018, five students from the Faculty of Social Sciences at the University of Gothenburg travelled to Slovenia to participate in the annual *EuroEnviro conference*. The trip was funded through the University's internal climate fund. The journey between Gothenburg and Slovenia was made by train. The students brought back many new ideas and took on the leadership for *EuroEnviro 2019*, which will be held in Gothenburg.

# No.1!

The University of Gothenburg topped the Swedish Environmental Protection Agency's ranking of Swedish government actors' environmental management efforts. GMV has the operational responsibility for developing and following up the environmental management system at the University of Gothenburg.



**Kassahun Weldemariam** is the project leader of the forums on sustainable development in higher education that GMV has organised. Kassahun is a student sustainability coordinator at GMV and PhD at the Department of Pedagogical, Curricular and Professional Studies, University of Gothenburg.



### Conversation Relay Race about Agenda 2030, Research and Collaboration

In 2018, the GMV-produced podcast *Målmedvetenskap* premiered and released a total of six episodes. Each episode stars one researcher from Chalmers and one researcher from the University of Gothenburg and is centred around a conversation about research, collaboration and the SDGs. The series is structured as a conversation relay race, each episode ends with one of the researchers inviting a new researcher to the next episode. The podcast format invites new target groups to easily access knowledge about academia and the SDGs straight from the researchers.



**Teacher training on SDG 3.** Researchers **Gunilla Krantz** from the Department of Public Health and Community Medicine at the University of Gothenburg and **Carl Brunius** from the Department of Biology and Biological Engineering at Chalmers, gave presentations of their respective research fields in relation to SDG 3: *Good health and wellbeing*. The seminar was part of GMV's teacher training series on Agenda 2030 which aims at providing teachers with inspiration and the tools they need to teach schoolchildren about the Global Goals.

### Collaboration on Environmental Management and Sustainable Development



The University of Gothenburg has close cooperation on environmental management and sustainable development with several European universities. Among other things, a sustainability controller from the University of Gothenburg has guided Instituto Universitário de Lisboa (ISCTE-IUL) in Lisbon into certified environmental management systems during the year. The University of Gothenburg is a member of the *International Association of Universities (IAU)*, which has launched a global cluster among higher education institutions in order to work for the Global Goals. The University of Gothenburg leads the work on SDG 8 on economic growth and decent working conditions. The purpose of the *AGERA project*, which started during 2018, is to develop routines to strengthen and follow up the effects of collaboration, based on the Swedish universities' work with Agenda 2030. The University of Gothenburg leads the project that includes seven other Swedish universities.

### Knowledge and Inspiration for Teaching about the Global Goals



GMV provided continuing education for teachers in cooperation with the Universeum science centre, the Museum of World Culture and the Swedish Council for Higher Education's programme, *The Global School*. The training expands the teachers' knowledge about the Global Goals. Through seminars with researchers from Chalmers and the University of Gothenburg, and at follow-up workshops, the teachers receive the tools they need to teach schoolchildren about the Global Goals. The training has been running for 3 years and in 2018 was nominated for the UNDP spring festival as one of the three best Swedish initiatives on partnerships for the Global Goals.



### Annual Sustainability Day was a Full Week



Since 2005, *Act! Sustainable* has been an annual initiative to inspire, educate and engage all students at Chalmers and the University of Gothenburg in sustainable development and sustainability issues. The inspiration day was transformed in 2018, when the one-day/

one-place concept was expanded into an entire week with initiatives spread over multiple university campuses and other sites in Gothenburg.

The week was opened by Mattias Goksör, Pro-Vice-Chancellor at the University of Gothenburg, and a live podcast recording of *Målmedvetenskap*. After a packed week of activities, with more than 30 programme items, the week finished with a grand finale at Gothenburg's opera house, Göteborgsoperan, where participants and audience members explored the crossroads between sustainable development and culture. *Act! Sustainable* was arranged by GMV in collaboration with all of the organisations and individuals who helped fill the programme and realise the *Act!*-week.

### Student Engagement for Universities to Walk the Talk



With a growing concern for the climate, and the frustration that universities don't walk the talk, a group of students at Chalmers and the University of Gothenburg started a flight focus group during the autumn of 2018 that soon became part of the emerging

national student movement, *Climate Students*. Their ambition is to put pressure on and help universities to change their practice in accordance with the climate science. The students demand that universities cut emissions by 50% in 4 years in accordance with the new IPCC report. Chalmers and the University of Gothenburg have several active student associations in the field of sustainable development, all of which work together within the framework of *Gothenburg Students for Sustainability Alliance (GSSA)*, coordinated by GMV.



“**Act! Sustainable is all about raising awareness about sustainable development among students in Gothenburg. We strive to have a wide programme with a big variety of events to showcase the great diversity of what sustainable development is about.**”

**Karin Bylund**, Project Manager, Act! Sustainable and SDSN Youth in Northern Europe at GMV.



**The Flight focus group** started on the initiative of **Louise Jansson**, one of the student coordinators who, alongside their studies, are hired by GMV to contribute student perspectives in the University's sustainability work.

At the *Act! Sustainable* inspiration week in September, Miljöbron arranged a speed dating session where students and sustainability professionals got the opportunity to meet.





## Events and Meeting Places

Facilitating cross-boundary meetings, disseminating knowledge and sharing experiences in the area of sustainable development are important parts of GMV's work. Here are some examples of activities that GMV participated in or arranged in 2018.



**31**  
January

### How can Politics, Technology and the Individual Contribute to a Smart Climate Policy?

Panel discussion with Isabella Lövin and researchers from the University of Gothenburg and Chalmers about different aspects of the climate issue. Arranged by the School of Business, Economics and Law in cooperation with Centre for Collective Action Research (CeCAR), Sea and Society and GMV.

**31**  
January

### Multiple Stressors and Chemical Mixtures: a Joint Challenge?

Seminar organised by the Centre for Future Chemical Risk Assessment and Management Strategies, (FRAM). GMV is part of FRAM, with a mission to communicate and disseminate research results and promote research-policy interactions.

**5**  
February

### The Conflict Law in the Swedish Model

Seminar arranged by the Work and Employment Research Centre (WE).

**14**  
February

### Atmospheric Chemistry for Sustainable Development

Public lecture with Johan Boman, Chemistry & Molecular Biology, University of Gothenburg.



**20**  
February

### Education for Teachers about SDG 3: Good Health and Well-being

Gunilla Krantz, Public Health and Community Medicine, University of Gothenburg, and Carl Bru-nius, Biology and Biological Engineering, Chalmers.

**21**  
February

### Research-Policy Interaction for Sustainable Development – Personal Experiences and Perspectives

Johan Kuylensstierna, Executive Director for Stockholm Environment Institute (SEI) and board member of the University of Gothenburg, shared his view of how universities and researchers can expand the policy impact of their work.

**14**  
March

### Public Lecture on SDG 2: No Hunger

Christel Cederberg, Space, Earth and Environment, Chalmers, and Gunilla Almered Olsson, Global studies, University of Gothenburg, gave a public lecture on SDG 2: No hunger. The lecture was part of GMV's open lecture series about the Global Goals.

**20**  
March

### Climate, Quarterly Economy and Capitalism

The author, social debater and former politician, Anders Wijkman, talked about his new book, *Come on*, which he wrote with Ernst von Weizsäcker for the Rome Club's 50th anniversary.

**6**  
April

### SDG Guide for Universities

Marjan van den Belt, one of the authors of the guide *Getting Started with the SDGs in Universities*, published by SDSN, participated in a discussion on how to implement the SDGs at Chalmers and the University of Gothenburg. The seminar was organised by GMV and SDSN Northern Europe, in collaboration with CeCAR.

**11**  
April

### Public Lecture on SDG 16: Peace, Justice and Strong Institutions

Claes Andersson, Space, Earth and Environment, Chalmers, and Sirianne Dahlum, Political Science, University of Gothenburg.

**11**  
April

### Education for Teachers about SDG 16: Peace, Justice and Strong Institutions

Claes Andersson, Space, Earth and Environment, Chalmers, Niklas Harring, Political Science, the University of Gothenburg and educators from Universeum and the World Culture Museum.

**19**  
April

### Consuming Food without Tropical Deforestation – is it Possible?

Seminar at the International Science Festival in Gothenburg organised by Focali with Martin Persson, Focali, Maria Rydlund, Swedish Society for Nature Conservation (SSNC) and Christina Karlsson, Ica.

**19**  
April

### Gender Equality, Violations and Sexual Harassment in Working Life

Seminar arranged by WE.



### Researchers Talked about the Global Goals in the Science Roulette

GMV invited 17 researchers to talk to visitors about the Global Goals in the gondolas of the Liseberg Ferris wheel during the annual International Science Festival in Gothenburg in April.

**19–20**  
April

### 8th Biennial Meeting of the Gothenburg Air and Climate Network (GAC)

The event brought together people interested in issues ranging from air quality to weather forecasting and climate change to discuss current and future areas of research with a special emphasis on issues and topics that will impact western Sweden.

**7**  
May

### The Role of Learning to Break the Segregation

One of the meetings of the network *Learning about Sustainable Cities and Regions (Lär-SUD)*, aiming to contribute to closer contacts between teachers, educators and researchers and to strengthen research and teaching on sustainable urban development. The network is hosted by Mistra Urban Futures and coordinated by GMV, the University of Gothenburg and the Gothenburg Region.

**14**  
May

### SIF Integration – Together for an Inclusive Society

SDSN Northern Europe, Forum for Social Innovation Sweden and GU Ventures joined forces, together with Swedish National Committee for Global Environmental Change at the Royal Swedish Academy of Sciences, and Sida, to promote innovative solutions to meet challenges of integration. *The Solutions Initiative Forum (SIF) Integration* gathered over 100 entrepreneurs, business representatives, investors, researchers and decision makers.

**31**  
May

### SDG Lunch Meetings for Researchers: Integration

GMV and the Centre for Global Migration (CMG) invited teachers and PhD students to discuss research on integration and its importance in achieving the Global Goals.



#### Pre-Conference: Supply and Demand for Environmental Economic Policy Advice

SDSN Northern Europe co-organised this pre-conference at the School of Business, Economics and Law at the University of Gothenburg, in connection with the 6th World Congress of Environmental and Resource Economists in Gothenburg 25–29 June.

**11–15**  
June

#### Researcher Writeshop

Organised by the AgriFoSe 2030 programme and implemented by experts at GMV, among others Madeleine Ostwald, researcher at Chalmers.

**14**  
June

#### International Sustainable Campus Network Conference

This year's ISCN conference was arranged at KTH in Stockholm. The environmental management team at the University of Gothenburg contributed with presentations and posters.

**19**  
June

#### What to Do With the Left Overs?

Conference about how business and social development can take place through industrial symbiosis. Organisers included WIN WIN Award and the GAME network.

**1**  
July

#### Interdisciplinary Is the Future, But is the University Involved?

Louise Jansson, student sustainability coordinator, GMV, participated in this seminar arranged by Mistra Urban Futures at the annual political week in Almedalen.

**18–20**  
August

#### ReGeneration 2030 Summit

Karin Bylund, SDSN Youth in Northern Europe, participated at the *ReGeneration 2030 Summit*, Åland, Finland, a non-profit initiative led and organised by teenagers and young adults of the Nordic and Baltic Sea regions.

**26**  
August

**Working With the Flow? Multifunctional Landscapes in a Changing Climate**  
Event at *World Water Week* in Stockholm, co-arranged by Focali.

**11–13**  
September

#### Omic Approaches in Biofilm Research: Advances in Ecology and Ecotoxicology

The fifth Biofilm workshop, at Kristineberg Marine Research and Innovation Centre in Fiskebäckskil, hosted by FRAM and NICE.

**24–28**  
September

**Act! Sustainable**  
Annual inspiration for students since 2005.

#### WIN WIN Award

Kalundborg Symbiosis from Denmark received the WIN WIN Gothenburg Sustainability Award, on October 24. In conjunction with their stay in Gothenburg, a two-day conference was held at the venue Dome of Visions, focusing on industrial symbiosis. The University of Gothenburg and Chalmers are partners of the award and the WIN WIN Award office is located at GMV.



**18**  
October

#### Education for Teachers about SDG 7: Affordable and Clean Energy

Anna Elofsson, Space, Earth and Environment, Chalmers, Hannes von Knorring, Gothenburg Research Institute (GRI), University of Gothenburg and educators from Universeum and the World Culture Museum.

**23**  
October

#### Chalmers Sustainability Day

GMV participated with an exhibition arena to create physical meetings among members of the research network for sustainable development, and provide information on projects and events, possibilities for newcomers to join the network and photospot opportunities with your favourite SDG.

**1**  
October

#### Towards the 2030 Goals: Trends and Challenges for Climate-Neutral Freight Transport

KNEG network's annual results conference.

**17**  
October

#### Public Lecture on SDG 4: Quality Education

Johan Larsson, Space, Earth and Environment, Chalmers, and Alexina Thorén Williams, Centre for Education Science and Teacher Research, University of Gothenburg.

**6**  
November

#### Partnership and Implementation of Agenda 2030 in Western Sweden

Annual network GAME Day 2018 arranged in cooperation with engineering and design company ÅF.

**13–15**  
November

#### Towards Nanotech Safety

Mistra Environmental Nanosafety Conference. GMV is part of Mistra Environmental Nanosafety with a mission to communicate and disseminate research results.

**15**  
November

#### Glocal Film Festival and researcher live podcast

The programme included discussions and question time with researchers in GMV's podcast on SDG 14: *Life below water*.

**22**  
November

#### Education for Teachers about SDG 10: Reduced Inequalities

Arne Bigsten, Economics, the University of Gothenburg, Nils Björling, Architecture and Civil Engineering, Chalmers, and educators from Universeum and the World Culture Museum.





#### GMV's Global Goals Advent Calendar 2018

Each day from 1 December to 17 December, GMV presented one of the Global Goals, where researchers from Chalmers and the University of Gothenburg, in short film clips, talked about why the respective goal is important to them and their research. They then picked one of the other goals and described how these two goals are connected to each other. Some of the researchers participating in the campaign were **Anneli Selvefors**, Industrial and Materials Science at Chalmers, **Henrik Eriksson**, Centre for Healthcare improvement at Chalmers, **David Langlet**, Department of Law at the University of Gothenburg, and **Annica Kronsell**, School of Global Studies at the University of Gothenburg.

5

December

**1st Dialogue Meeting on the Future of the Brazilian Amazon – Potential Implications of the New Political Landscape?**

Dialogue seminar organised by Focali, among others.



2–14

December

#### Students at COP24

GMV supported two students to take the train to the 24th COP meeting in Katowice, Poland, to witness the international negotiations on climate. **Sandra Alm**, studying in the Master's Programme in International Administration and Global Governance at the University of Gothenburg, reflected on her experience:

“For me, it seems that the COP has aged quite slowly compared to myself. Whereas I have gone from being a toddler during the Rio Conference, a primary school student during the Kyoto Protocol negotiations, a rebellious high school student during the failure of COP15 in Copenhagen, and a hopeful Bachelor's student celebrating the Paris Agreement; the COP still hasn't learned to walk the talk.”

27

November

**Agenda 2030 in West forum meeting: Mobility as a service and self-driving cars – what it takes to contribute to maximum social benefit.**

Organised by the GAME network in cooperation with IVL Swedish Environmental Research Institute.

10

December

**Education, Learning and the Labour Market – with a Focus on Language and Integration**

Seminar arranged by WE.

14

December

**Facilitating Higher Educations' Engagement with the SDGs**

The 4th forum in the series on sustainability in higher education, a platform for researchers, employees and students at the University of Gothenburg and Chalmers.

29

November

**Workshop with pupils and teachers from Henån special school about Agenda 2030 and the SDGs**




**The Vatican Youth Symposium** gathers a diverse group of young people from different backgrounds and disciplines for an annual event at the Vatican. For two days, they work towards solutions on the biggest challenges facing our world today. The Vatican Youth Symposium 2018 took place in October at Casina Pio IV, Vatican City. In the picture is **Karin Bylund** from GMV, one of the delegates.



Published 2019 by Gothenburg Centre for Sustainable Development (GMV) at Chalmers University of Technology and University of Gothenburg.

Photo: Johan Wingborg (p. 4, 6), Hugo Gustafsson (p. 9, 11, 18, 25), Gunilla Ölund Wingqvist (p. 14), Martin Ahrin-Larsson (p. 23), Rickard Fält (p. 27), SDSN Youth (s. 29)





The core task of Gothenburg Centre for Sustainable Development (GMV) is to facilitate cooperation with the aim to generate and practically implement knowledge about sustainable development. To this end, we create meeting places and bring together different types of expertise in order to promote sustainable development within research, education and cooperation.

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**THE GLOBAL GOALS**  
For Sustainable Development