

# Horizon: Sustainable Oslo region & CIENS

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# Aims of the presentation

- To make you better understand what CIENS is (members, competencies, our ambitions internationally).
- To lower your thresholds in taking contact with CIENS if you believe that you have a societal issue of concern, where you believe any CIENS member might be of help with competencies, knowledge or solutions on issues of concern or Horizon Europa knowledge
- To assess concretely – which of the Oslo Region European Office members are actively aiming to engage in Horizon Europe
- To learn about other ways and funding source in which CIENS and Oslo Region European Office members can collaborate



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# CIENS - Oslo Centre for Interdisciplinary Environmental and Social Research

- A strategic research collaboration of eight independent research institutes and the University of Oslo.
- The center builds on a shared scientific strategy, cooperation on research projects, and partially on a shared location for about five of the members in the Oslo Science Park next to University of Oslo.
- CIENS represents an arena for collaborative interdisciplinary research on environmental and social issues.
- It spans a range of disciplines across the natural and social sciences, covering both basic and applied research as well as innovation, communication and collaboration with users and the public.



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# CIENS' members

ACRONYM	FULL NAME	LEGAL STATUS	STAFF
CICERO	Center for Climate Research	Non-profit research institute	80+
MET	Norwegian Meteorological Institute	State research institute	450+
NIBR	Norwegian institute for urban and regional research	Non-profit research institute	60+
NIKU	Norwegian institute for cultural heritage research	Non-profit research institute	80+
NILU	Norwegian institute for air research	Non-profit research institute	200+
NINA	Norwegian institute for nature research	Non-profit research institute	260+
NIVA	Norwegian institute for water research	Non-profit research institute	270+
TØI	The Institute of Transport Economics	Non-profit research institute	120+
UiO	University of Oslo	Public (state) university	3 800+



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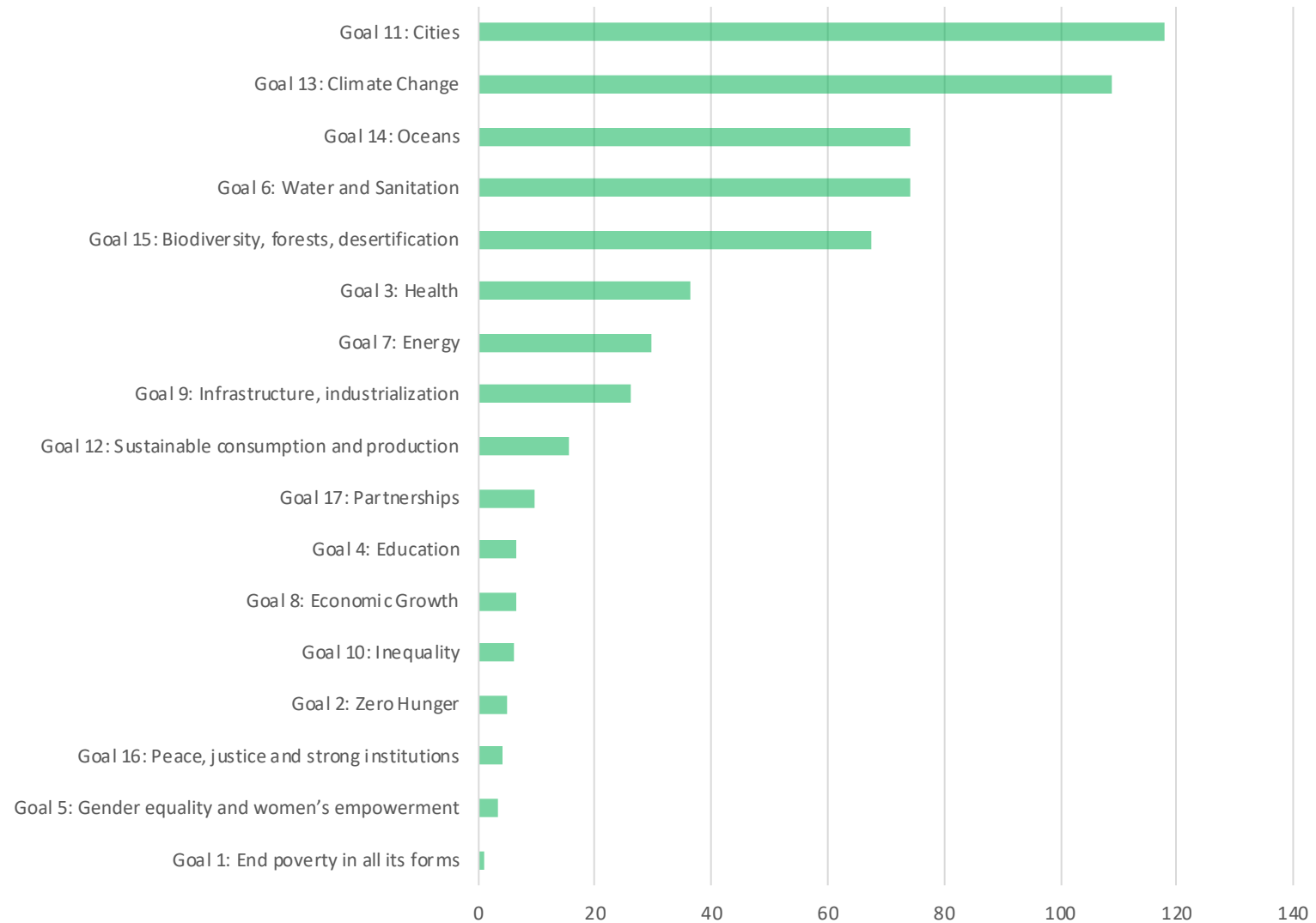
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# CIENS and Sustainable Development Goals (i)

(excl. UniOslo)

CIENS Researcher Person Years



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# CIENS and Sustainable Development Goals (ii)

(excl. UniOslo)



	CICERO	Meteorologisk institutt	NIBR/OsloMet	NIKU	NILU	NINA	NIVA	TØI	ALLE
Goal 1: End poverty in all its forms	1								1
Goal 2: Zero Hunger	1				4				5
Goal 3: Health	1	2	5		8	4	2	15	36
Goal 4: Education						5	1		7
Goal 5: Gender equality and women's empowerment	1						1	1	3
Goal 6: Water and Sanitation					6	42	26		74
Goal 7: Energy	4	8				12	1	5	30
Goal 8: Economic Growth								6	6
Goal 9: Infrastructure, industrialization and innovation	1	2	3	1	4		8	6	26
Goal 10: Inequality			5				1		6
Goal 11: Cities and Communities	2	5	10	47	23	4	11	17	118
Goal 12: Sustainable consumption and production	2				8		6		16
Goal 13: Climate Change	24	24	5	3	13	27	7	6	109
Goal 14: Oceans and Undersea Resources		13			3	8	51		74
Goal 15: Biodiversity, Ecosystems and Land	1			2	5	53	7		68
Goal 16: Peace, Justice and Strong Institutions	1		3	1					4
Goal 17: Partnerships for Sustainable Development					8		1		10



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# CIENS and its markets/funding sources, ranging from the local to the global

- Research & innovation
  - Regional research funds, Norwegian Research Council, Horizon 2020, JPI Programs, etc
- Monitoring
  - Norwegian agencies, county governors, municipalities, industries
- Advanced consultancy tenders
  - UN-level, EU-level, national, regional and municipal/local; both public and private actors



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# CIENS and its Synthesis Initiative

- In their knowledge strategy, the Ministry of Climate and Environment has identified an increasing need to prepare scientific synthesis reports for an increasing number of environmental issues
- CIENS has identified this as an area of priority
- CIENS has organised training activities for its researchers' in methodologies for synthesis, such as Systematic Evidence-based Reviews and other synthesis methods
- CIENS is offering its services to the Ministry of Climate and Environment, KS, etc



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# CIENS and Sustainable Urban Development

- Sustainable Urban Development has been the primary thematical focus area of CIENS since its inception
- A large number of joint research & innovation projects dealing with various aspects of Sustainable Urban Development have been conducted over the years CIENS has existed.
- Annual (almost) joint CIENS conferences and monthly (almost) breakfast seminars on Sustainable Urban Development themes
- Main sources of funding have been the Norwegian Research Council and some of its main programs, such as MILJØFORSK and BYFORSK
- Other sources of funding from EU Horizon 2020 program, JPI Urban Europe, Norwegian Environment Agency.



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# CIENS and international co-operation

Members of -

- Partnership for European Environmental Research (PEER)



- Urban Europe Research Alliance (UERA)



# CIENS members are experienced in Horizon 2020

**Societal Challenges**

€20 003 062  
Total EC Contribution

48 Projects

712 Collaborating Organizations

55 Collaborating Countries

**NORSK INSTITUTT FOR VANNFORSKNING**  
€3 585 366 (17.9%), 9 projects

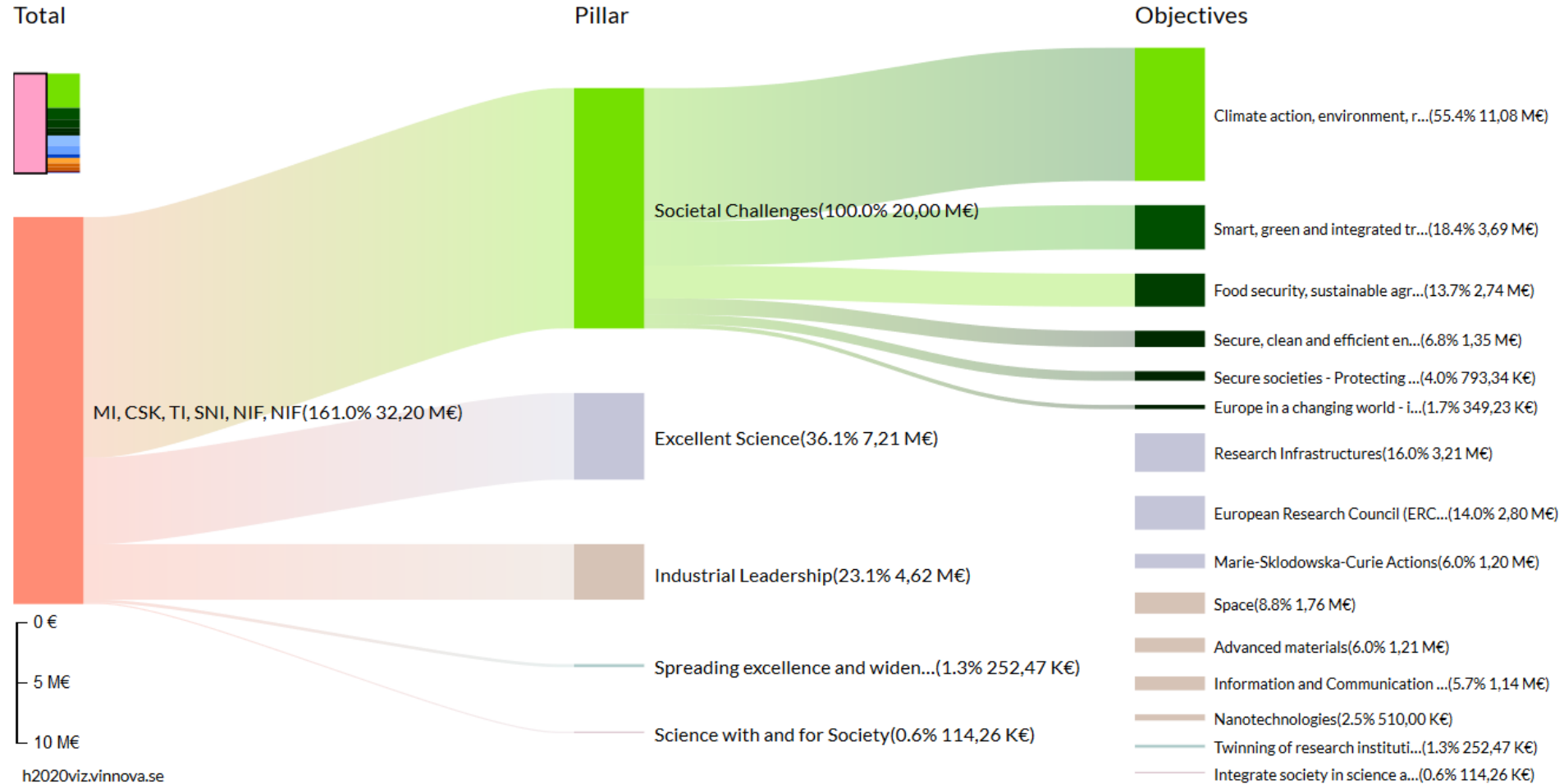
**NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE**  
€1 639 970 (8.2%), 4 projects

**STIFTELSEN NORSK INSTITUTT FOR NATURFORSKNING NINA**  
€1 721 845 (8.6%), 5 projects

**TRANSPORTOKONOMISK INSTITUTT**  
€3 669 706 (18.3%), 11 projects

**CICERO SENTER KLIMAFORSKNING STIFTELSE**  
€6 380 076 (31.9%), 12 projects

**METEOROLOGISK INSTITUTT**  
€3 006 099 (15.0%), 8 projects



h2020viz.vinnova.se  
Source: signed projects, eCORDA H2020 database, December 15, 2019

# CIENS and its international (EU) strategy

- To focus our joint international ambitions, primarily targeting EU funding through Horizon 2020/Horizon Europe, an international strategy has been elaborated
- *The goal of the CIENS international engagement is to make sure that our knowledge and expertise - jointly or among individual members – is being used more extensively outside Norway, by initiating and participating in international projects and other processes in support of international efforts and goals defined by, among others, the UN Sustainable Development Goals, EU / Europe's Societal Challenges and Norway's International Environment and Climate Policy Agenda*



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# Two RCN-funded support projects stimulating Horizon 2020/Europa networking and lobbying

- **Horizon: Sustainable Oslo Region**

- A regional EU network set up to trigger more Norwegian actors leading or being part of Horizon 2020 proposals, and more successful Horizon 2020 proposals. Keywords: Oslo Region actors, Environment, Sustainable Development. 08/19 – 12/20.

- **HEU-CIENS: Norwegian perspectives in Horizon Europe clusters 5 & 6, specifically within climate, energy, mobility & environment - CIENS**

- HEU-CIENS aims to strengthen capacity and power in advancing Norwegian perspectives in Horizon Europe (2021 - 2027) to contribute to work programs and procurement within clusters 5 & 6, especially in the areas of climate, energy, mobility & environment to safeguard Norwegian interests. 01/20-12/21.



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# HEU- CIENS



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# Oslo region co-operation with a European dimension



- **Funding** | Research Council of Norway has provided a «regional EU network grant» to **CIENS** and collaborating partners in the wider Oslo-region; the Municipality of Oslo, The Oslo Region alliance, **Knowledge City** and the Oslo Region European Office)
- **Focus** | Societal challenges SC3: Secure, clean and efficient energy, SC4: Smart, green and integrated transport, SC5: Climate action, environment, resource efficiency and raw materials
- **Aim** | **Horizon: Sustainable Oslo Region** will contribute to increased mobilization and participation from municipalities, counties, companies and key research players in the Oslo region in the last phase of Horizon 2020, in the areas of climate, environment, energy and mobility. Additionally, the network will prepare the players for Horizon Europe and help create alliances for upcoming calls.



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# List of H2020 proposals in the pipeline: Almost exclusively Oslo Municipality and CIENS involved

Utlysninger som sannsynligvis vil bli fokusert innen de tre utvalgte programmene. Andre utlysninger kan komme til.

## SC3. Sikker, ren og effektiv energi

Utlysning	ID	Type action
Decarbonisation of the EU building stock: innovative approaches and affordable solutions changing the market for buildings renovation	LC-SC3-EE-1-2018-2019-2020	IA
Mainstreaming and innovative financing for energy efficiency investments	LC-SC3-EE-25-2020	CSA
International Cooperation with USA on alternative renewable fuels for energy and transport	LC-SC3-RES-3-2020	RIA
Public procurement as a strategic instrument for energy efficiency	LC-SC3-EE-12-2020	CSA
International cooperation with Canada on advanced biofuels and bioenergy	LC-SC3-RES-25b-2020	RIA
Integrated local energy systems (Energy islands)	LC-SC3-ES-3-2018-2020	IA

## SC4. Smarte, grønne og integrerte transportløsninger

Utlysning	ID	Type action
Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions	LC-MG-1-12-2020	IA
Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers	MG-4-8-2020	RIA
The European mobility culture of tomorrow: Reinventing the wheel?	MG-4-9-2020	CSA

## SC5. Klima, miljø, ressursutnyttelse og råmaterialer

Utlysning	ID	Type action
Enhanced natural treatment solutions for water security and ecological quality in cities	SC5-27-2020	RIA
Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes (four sub-topics!) - expected to continue in 2020, sub-topics not decided for 2020	CE-SC5-07-2018-2019-2020	IA
Innovative nature-based solutions for carbon neutral cities and improved air quality	LCA-CLA-11-2020	IA
Understanding climate-water-energy-food nexus and streamlining water-related policies	LC-CLA-15-2020	RIA
Scientific support to designing mitigation pathways and policies SCOPE A: Assessing and designing climate policies for the coming decade	LC-CLA-10-2020	RIA

# Aims for Horizon: Sustainable Oslo Region in 2020

- Arrange 2 brokerage events to build alliances for upcoming calls in Horizon Europe, one in the Oslo region and one in Brussels.
- Provide advice and input to at least 20 stakeholders at an early stage of the process of evaluating participation in Horizon projects.
- Highlight actors in the Oslo region as attractive partners in Horizon projects



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# Diskusjonsspørsmål

- Hvilke av kommunene eller fylkeskommunene har erfaringer fra deltagelse i Horisont 2020 eller med faktisk søknadsskriving?
- Hvilke av kommunene eller fylkeskommunene har funderinger på deltagelse i Horisont Europa?
- Om Horisont Europa engasjement er aktuelt, kan det være ønskelig med videre møter – kanskje bilateralt med noe CIENS medlem?
- Interessen for å profitere på muligheter som ligger i mer aktivt engasjement i **Horizon: Sustainable Oslo Region**



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