

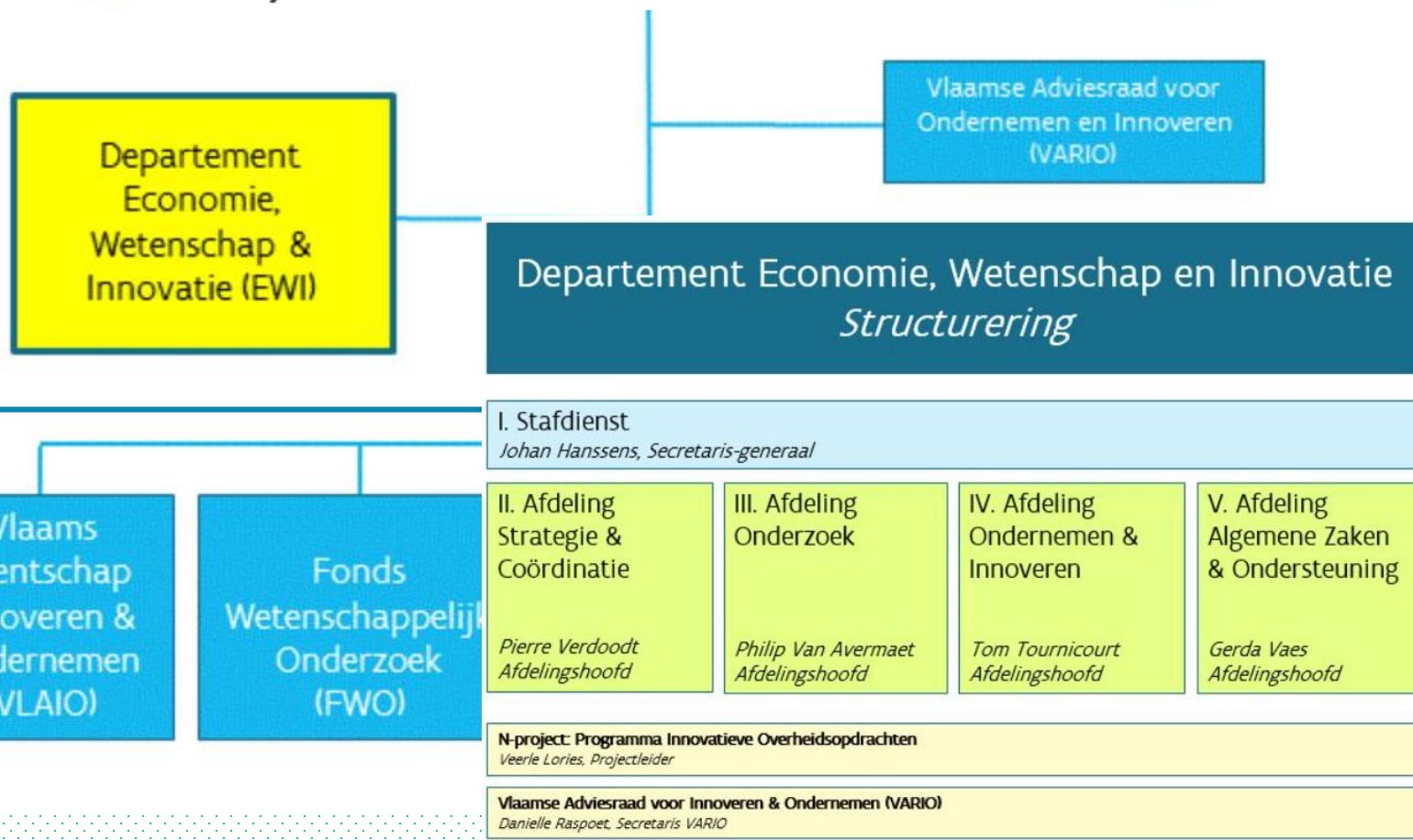


International cooperation & funding opportunities – Gert Verreet, Dept. EWI

BLUE DRONES

Beleidsdomein EWI

Vlaams minister van Economie, Innovatie,
Werk, Sociale economie en Landbouw



What's the plan?

- ▶ What is the problem that you try to address?
- ▶ Who 'owns' the problem or is interested in contributing to it being solved.
- ▶ Which part of the value chain
- ▶ TRL levels
- ▶ Context & customer

Flanders Government 2019-2024

III. Verder investeren in de interactie tussen ondernemingen, kennisinstellingen, de overheid en de burger, in het O&O&I-systeem

Innovatie wordt steeds meer een collectief proces. In een economische en maatschappelijke wereld die ingevolge digitalisering, klimaatverandering en globalisering in volle transitie is, streven we naar een ‘transformatorisch’ innovatie-ecosysteem waarmee we de uitdagingen kunnen aangaan. Transformatorische innovatie vergt een nauwe interactie tussen de vier actoren in de “quadruple helix”. We zetten het beleid verder om deze interactie intenser en impactvoller te maken. Op die manier streven we naar een grotere verspreiding en meer valorisatie van de kennis die in Vlaanderen aanwezig is.

Quadruple helix

► “Knowledge co-creation”

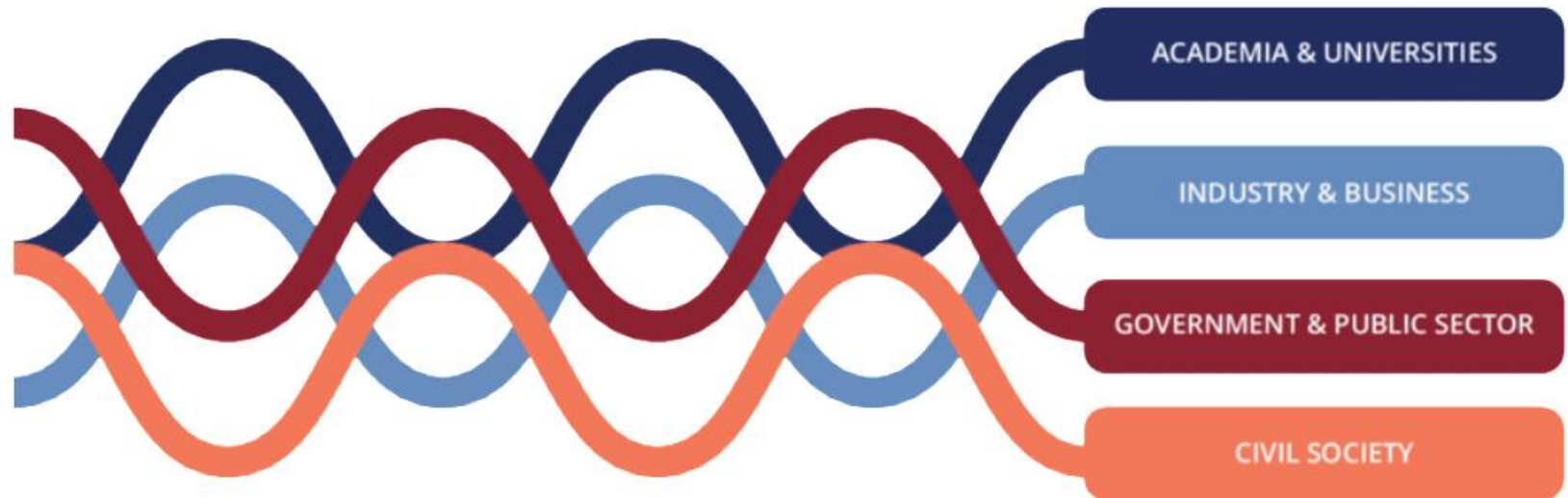


Figure: UNESCO & UNU, 2016.
Knowledge Societies Policy
Handbook

International funding opportunities

- ▶ **First case: EU Framework Programme calls**
- ▶ **Second case: Belgian or Flanders participation in international funding 'pot'**
- ▶ **Intermediate case: EU & Member State co-funding – undergoing renewal ('partnerships')**

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Horizon 2020 guidance

Horizon 2020 is the European Union's Framework Programme for Research and Innovation till 2020. National Contact Points have been established as information hatches between the European Commission and the stakeholders. For Flemish stakeholders NCP Flanders is the contact point, consisting of and supported by the advisors of FWO (Research Foundation Flanders) and Flanders Innovation & Entrepreneurship.



General Horizon 2020

Horizon 2020 is the European Union's Framework Programme for Research and Innovation. Running from 2014 until 2020 with a budget of about €77 billion, Horizon 2020 is the biggest multinational research programme in the world. It funds research in all areas of science and innovation. Workprogrammes 2018 - 2020. Update 10/9/2018 available on Horizon 2020 info

Funding by Horizon 2020 programme

The core of the Horizon 2020 programme consists mainly of 3 pillars: Excellent Science, Industrial Leadership and Societal Challenges. Next to other programmes as Spreading excellence and Widening participation and Science with and for Society, the Joint Research Center is also highlighted. See our introductory presentations to find out what's in it for you!

PRESS RELEASE

15th of October 2019



FOSC

ERA-NET Cofund on
Food Systems and Climate

New ERA-NET Cofund on Food Systems and Climate



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The FOSC Consortium consists of 28 partners from Europe, Africa and America and has the support of the European Commission.

Coordination:
French National Research Agency (ANR), France

Communication:
Wageningen University & Research, The Netherlands


Contact FOSC:
info.fosc@wur.nl





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[FOSC - Press release](#)

More information about the joint call for research proposals will be available soon.



The ambition of FOSC is that the research projects (to be funded) will identify effective levels of change for interventions that improve the sustainability and resilience of regional food systems within a global perspective.

The joint call of FOSC will welcome proposals that are:

- linking research to innovation and adopting a system approach;
- using the multi-actor approach as defined and promoted by [Horizon 2020](#);
- including inter- and trans-disciplinary approaches and, as much as possible, building upon results generated by existing or recently concluded relevant initiatives.

The planned dates for the joint call are:

2nd December 2019 Call opening

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ECONOMIE, WETENSCHAP & INNOVATIE



Recently: Flanders in 10 EU projects: universities, SOCs, SMEs, different H2020 call areas

CD_PROJ	CD_CALL_ID	CD_ACTION_TYPE	CD_ACRONYM	PROJ_STAT	PROJECT_START	PROJECT_END	TRACT_SIGN	LB_TITLE	CD_TOPIC	CD_TYPE	CD_ROLE	LB_LEGAL_NAME	G_POSTAL	LB_ORG_CITY	FL_SME
740859	H2020-SEC-2016-2017-1	RIA	ALADDIN	ONG	01-sep-17	31-aug-20	04-aug-17	Advanced holistic Adverse Drone Detection, Identification Neutralization	SEC-12-FCT-2016-2017	BENEFICIARY	PARTICIPANT	VRUE UNIVERSITEIT BRUSSEL	1050	BRUSSEL	N
747947	H2020-MSCA-IF-2016	MSCA-IF-EF-ST	EU-Drones	ONG	01-apr-17	31-mrt-19	06-mrt-17	The European Commission in Drone Community: a New Cooperation Area in the Making	MSCA-IF-2016	BENEFICIARY	COORDINATOR	VRUE UNIVERSITEIT BRUSSEL	1050	BRUSSEL	N
763599	H2020-SESAR-2016-1	JTI-SESAR-RIA	SECOPS	ONG	01-okt-17	30-sep-19	20-apr-17	An Integrated Security Concept for Drone Operations	RPAS-06	BENEFICIARY	PARTICIPANT	UNIFLY	2100	ANTWERPEN DEURNE	Y
763702	H2020-SESAR-2016-1	JTI-SESAR-RIA	PercEvite	ONG	01-sep-17	31-aug-20	29-mei-17	PercEvite - Sense and avoid technology for small drones	RPAS-07	BENEFICIARY	PARTICIPANT	KATHOLIEKE UNIVERSITEIT LEUVEN	3000	LEUVEN	N
776480	H2020-SC5-2017-OneStageB	RIA	MONOCLE	ONG	01-feb-18	31-jan-22	27-okt-17	Multiscale Observation Networks for Optical monitoring of Coastal waters, Lakes and Estuaries	SCS-18-2017	BENEFICIARY	PARTICIPANT	DRONEGRID	1950	KRAAINEM	Y
783211	H2020-SESAR-2016-2	JTI-SESAR-IA	SAFEDRONE	ONG	01-jun-18	31-mei-20	29-mei-18	Activities on drone integration and demonstration in VLL operations	SESAR-VLD1-10-2016	BENEFICIARY	PARTICIPANT	UNIFLY	2100	ANTWERPEN DEURNE	Y
783230	H2020-SESAR-2016-2	JTI-SESAR-IA	PODIUM	ONG	01-jan-18	31-dec-19	21-dec-17	Proving Operations of Drones with Initial UTM Management	SESAR-VLD1-10-2016	BENEFICIARY	PARTICIPANT	UNIFLY	2100	ANTWERPEN DEURNE	Y
824292	H2020-MG-2018-SingleStage-INEA	CSA	AW-Drones	ONG	01-jan-19	31-dec-21	03-dec-18	Contributing to a well-reasoned set of Airworthiness Standards for mass-market drones	MG-2-3-2018	BENEFICIARY	PARTICIPANT	UNIFLY	2100	ANTWERPEN DEURNE	Y
826610	H2020-ECSEL-2018-2-RIA-two-stage	JTI-ECSEL-RIA	COMP4DRONES	PRE				Framework of key enabling technologies for safe and autonomous drones'	ECSEL-2018-2-RIA	BENEFICIARY	PARTICIPANT	INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM	3001	LEUVEN	N
826610	H2020-ECSEL-2018-2-RIA-two-stage	JTI-ECSEL-RIA	COMP4DRONES	PRE				Framework of key enabling technologies for safe and autonomous drones'	ECSEL-2018-2-RIA	BENEFICIARY	PARTICIPANT	AIROBOT	3800	SINT-TRUIDEN	Y
829384	H2020-SMEInst-2018-2020-2	SME-2	DroneGrid	ONG	01-sep-18	31-aug-20	22-okt-18	Simplifying Aerial Intelligence	EIC-SMEInst-2018-2020	BENEFICIARY	COORDINATOR	DRONEGRID	1950	KRAAINEM	Y
2017-2019:									TOTAAL BUDGET UIT H2020:	4.150.040					

Data EWI, FRIS
Monica Van Langenhove

Horizon Europe 2021-2027



Adaptation to climate change,
including societal transformation

Healthy
oceans, seas,
coastal and
inland waters



5 Mission
areas



Cancer

Climate-neutral
and smart cities



Soil health and
food



Flanders Marine Institute (VLIZ) Marine Robotics Centre

- Prologue ROV Genesis (°2006 - UGent), at VLIZ since 2012
- One-off investment budget decision (3 MEUR) Flanders Government 12/2017
- Start Marine Robotics Centre 2018, official launch 10/2019
- Purchase of 2 new platforms + dedicated technical workshop area lay-out
- Will provide access to new robotics for Flanders research & innovation actors



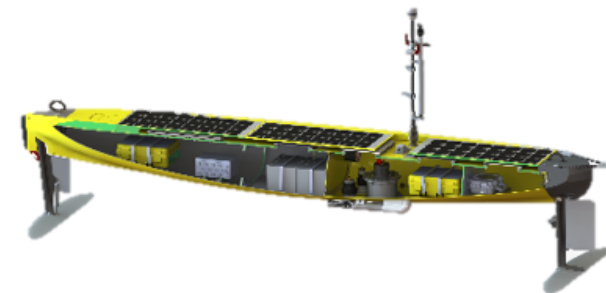
AUV Barabas



Vlaams Instituut voor de Zee vzw
Flanders Marine Institute



ROV Zonnebloem



USV Adhemar

Slide courtesy VLIZ



Data sources on Flanders research & innovation



“FRIS”:
www.researchportal.be

FRIS
Onderzoekspitaal



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is onderzoek

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HOME OVER FRIS PARTNERS CIJFERS CLASSIFICATIES NIEUWS  

drone


Zoeken




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De Europese Commissie in Drone Community: een nieuwe samenwerkingsruimte in wording (EU-drones) [Vrije Universiteit Brussel](#)

[Udo Christian Kaunert](#) [Chantal Lavalée](#) [Luis Simon Navarro](#)
[Instituut voor Europese Studies](#)

The objective of this research project (Marie Skłodowska-Curie Fellowship) is to examine how the European Commission is shaping regulatory framework development, production and use of drones considering the diverging interests among actors concerned in Europe (and beyond) where multiple authorities overlap. A comprehensive analysis of drones operations as a whole, including actors' perceptions, expectations, interests and practices is still ...

Advanced hoListic Adverse Drone Detection, Identification Neutralization (ALADDIN) [Vrije Universiteit Brussel](#)

[Paul Quinn](#)
[Metajuridica](#)

ALADDIN will study, design, develop, and evaluate, in series of complementary pilots, a counter UAV system as a complete solution to the growing UAV threat problem, building upon a state-of-the-art system and enhancing it by researching on various technologies and functionalities. ALADDIN will follow a holistic and heavily user-centred methodology involving a large number of LEAs and critical infrastructure operators,

Data R&D: Vlaams Indicatorenboek 2019

<https://www.vlaanderen.be/publicaties/vlaams-indicatorenboek-2019-wetenschap-technologie-innovatie>

