

# Social indicators

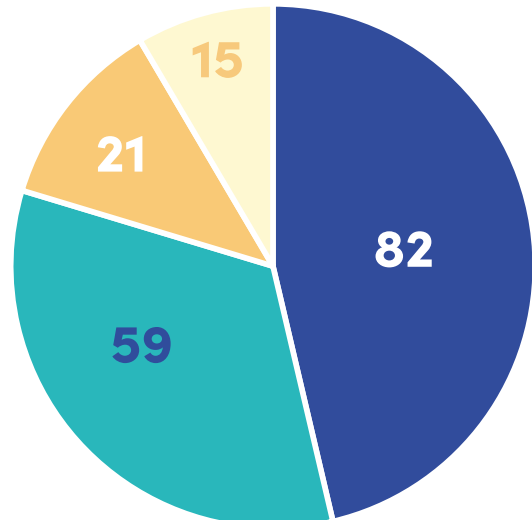
## Total employees

177



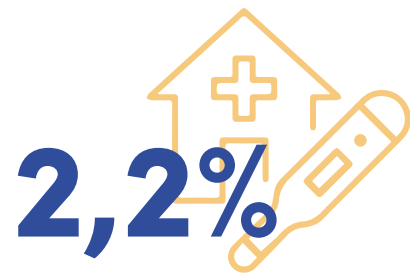
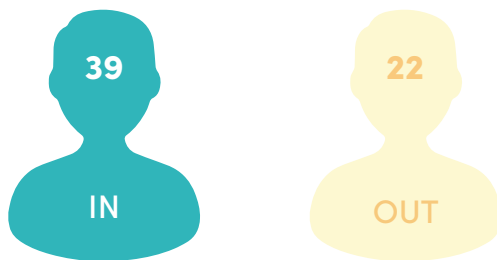
In 2023: 177, 2022: 151, 2021: 129, 2020: 126, 2019: 109, 2018: 90, 2017: 80, 2016: 66, 2015: 66, 2014: 64, 2013: 67, 2012: 58.

## Age of the employees



Age:  
 ■ ≤34 ■ 35-44 ■ 45-54 ■ ≥55

## Staff turnover



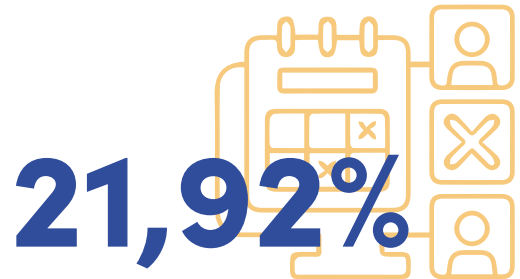
## Sick leave

Of the total number of days to be performed.  
 In 2022: 2,6%.

## Education level



Of which 168 higher educated workers and 9 people who have completed at most secondary education (ESF definition).

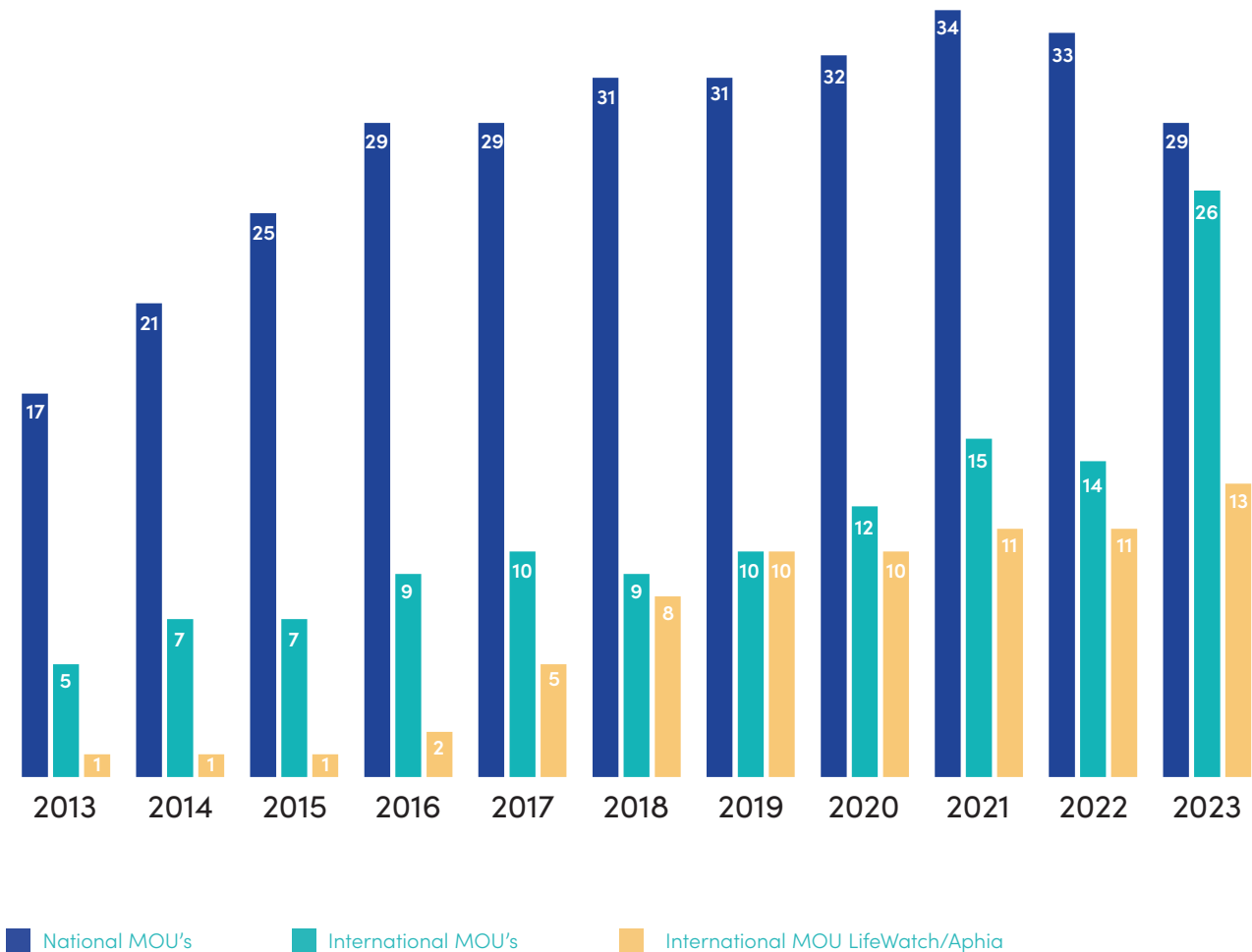


## Leave

The total number of days absent due to maternity leave, parental leave, time credit, leave of absence, illness, etc. relative to the total number of days to be performed.  
 In 2022: 22,07%.

\* Source: Wikipedia (Flemish angle): a person residing in the Flemish or Brussels region, and of whom at least one grandparent was born outside of the European Union - excluding the other Western and Northern European states, the USA or Canada.

# National and international cooperation agreements



The number of ongoing Memoranda of Understanding by year for the period 2013–2023, broken down into national MOUs, international MOUs, and international MOUs under LifeWatch/Aphia.

A list of all agreements can be accessed at <https://vliz.be/en/memoranda-understanding>.

# Research projects

# 23

## Initiated research projects with external budget

In 2022: 22 initiated research projects with external financing.

EXTERNAL FINANCING 2023 (started in 2023)				
Project	Start date	End date	Total project budget in EUR	Budget VLIZ in EUR
ULTFARMS	01/01/2023	30/06/2026	€ 9.590.773,00	€ 218.750,00
GEORGE	01/01/2023	30/06/2027	€ 9.997.437,00	€ 225.437,50
Blue-Cloud 2026	01/01/2023	30/06/2026	€ 8.996.222,00	€ 568.500,00
MAREGRAPH	01/01/2023	31/12/2025	€ 1.646.750,33	€ 742.045,00
BLUE4ALL	01/01/2023	31/12/2026	€ 8.018.806,00	€ 601.250,00
Clay Tectonics	01/01/2023	30/06/2025	€ 1.273.806,00	€ 524.079,00
Climate Gradients	01/01/2023	31/12/2026	€ 41.115,00	€ 41.115,00
ANERIS	01/01/2023	31/12/2026	€ 9.999.665,00	€ 502.500,00
STRAITS	01/01/2023	31/12/2026	€ 3.285.945,00	€ 465.475,00
Watt met Water	01/01/2023	31/07/2024	€ 91.400,00	€ 30.633,33
Inspire	30/05/2023	29/05/2027	€ 9.983.780,50	€ 937.450,00
Treasure	01/06/2023	31/05/2026	€ 5.784.707,00	€ 615.050,00
Remarco	01/07/2023	30/06/2026	€ 4.495.127,00	€ 340.979,00
eDNAquaplan	01/09/2023	31/08/2026	€ 1.978.282,00	€ 125.000,00
COPCO	15/06/2023	15/06/2026	€ 240.000,00	€ 240.000,00
Taken at the flood	01/01/2023	30/11/2025	€ 39.999,00	€ 39.999,00
Underwater investigation	01/07/2023	31/05/2025	€ 179.639,90	€ 178.639,90
MARE: online platform	01/08/2023	31/08/2025	€ 12.300,00	€ 12.300,00
Emodnet Biology phase V	03/10/2023	02/10/2025	€ 2.000.000,00	€ 804.000,00
DTO-Bioflow	01/09/2023	28/02/2027	€ 9.452.372,50	€ 2.374.360,00
DT-GEO	24/04/2023	31/08/2025	€ 11.138.287,50	€ 59.983,00
Plastic pirates Data consolidation	01/10/2023	01/06/2024	€ 369.030,00	€ 369.030,00
Marine Sabres	01/02/2023	30/11/2023	€ 41.000,00	€ 41.000,00

# Environmental indicators

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**67.524**

Total prints and copies

One print/copy corresponds to one page.  
In 2022: 70.822.

**859,01 m<sup>3</sup>**  
Water

In 2022: 421 m<sup>3</sup>.



**318,06 m<sup>3</sup>**  
Rainwater

In 2022: n.v.t.

**694.083,99 kWh**  
Electricity

In 2022: 256.283,70 kWh.



**275.751,35 m<sup>3</sup>**  
Gas

In 2022: 39.466 m<sup>3</sup>.



**4138 kg/55 m<sup>3</sup>**  
**General waste**

Both MSO and InnovOcean.



**2545 kg/48 m<sup>3</sup>**  
**Paper and  
cardboard**

Only InnovOcean.

**226 kg/19,5 m<sup>3</sup>**  
**PMD**

Only InnovOcean.

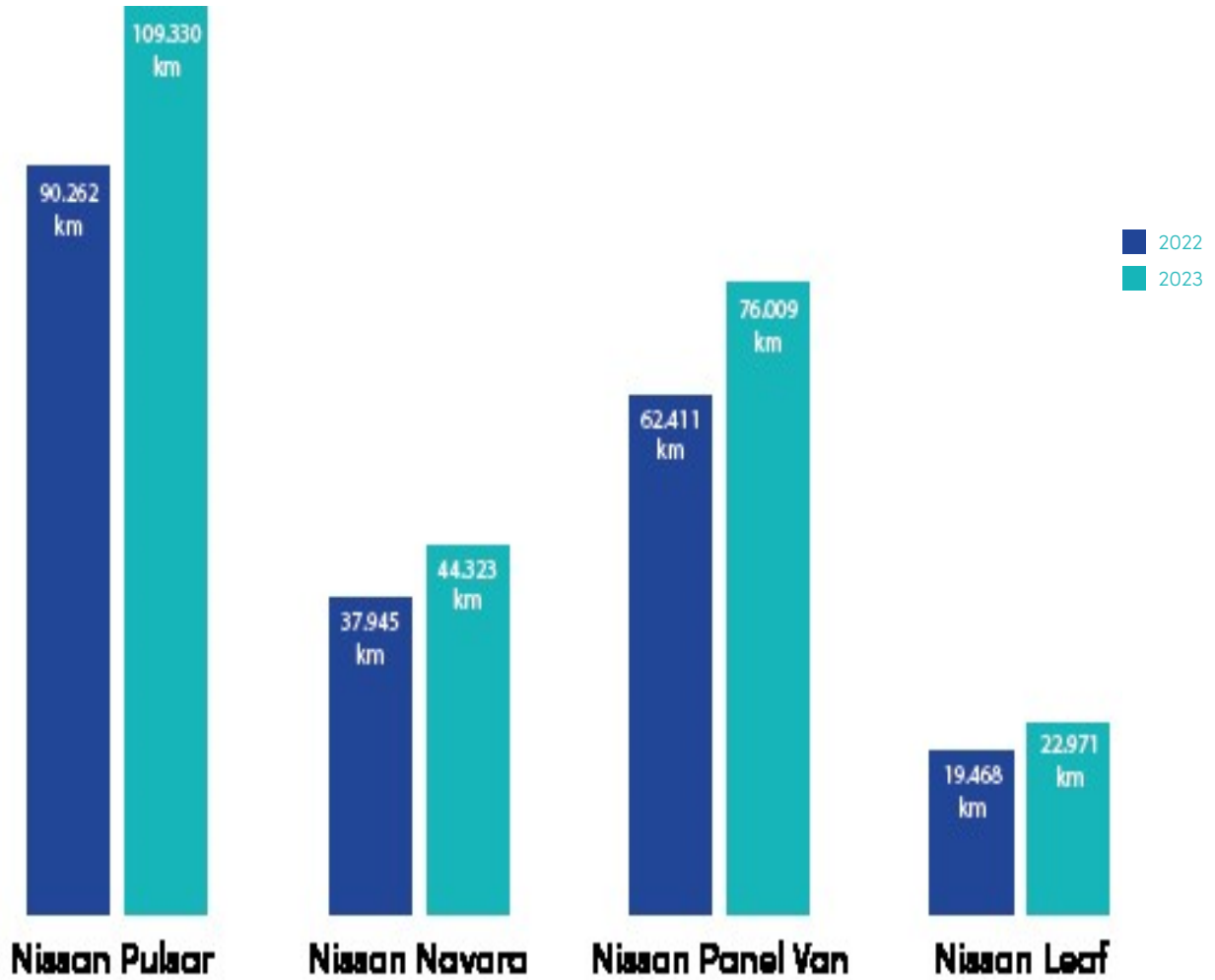
**€ 200.422,91**

**Wage costs including  
train, tram  
and bicycle allowance**

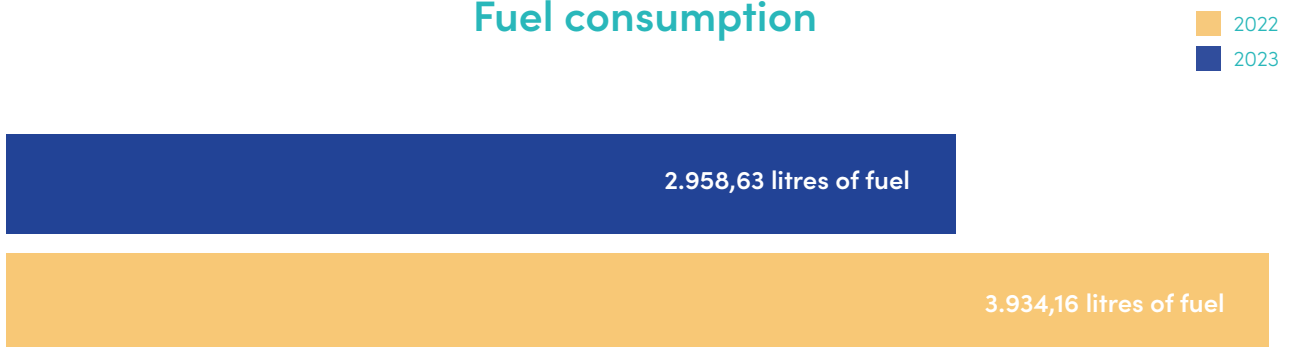
In 2022: € 173.345,99.



## Mileage VLIZ end 2023



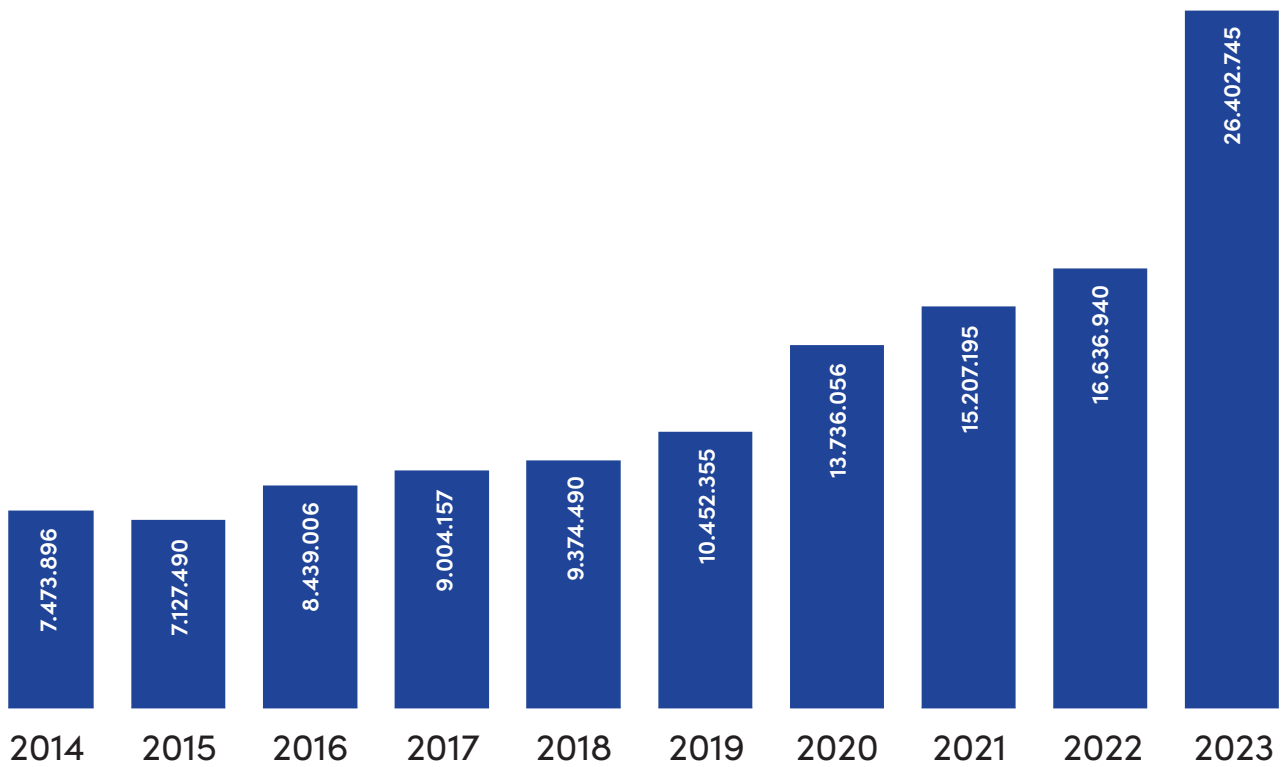
## Fuel consumption



## Turnover VLIZ (in euros)

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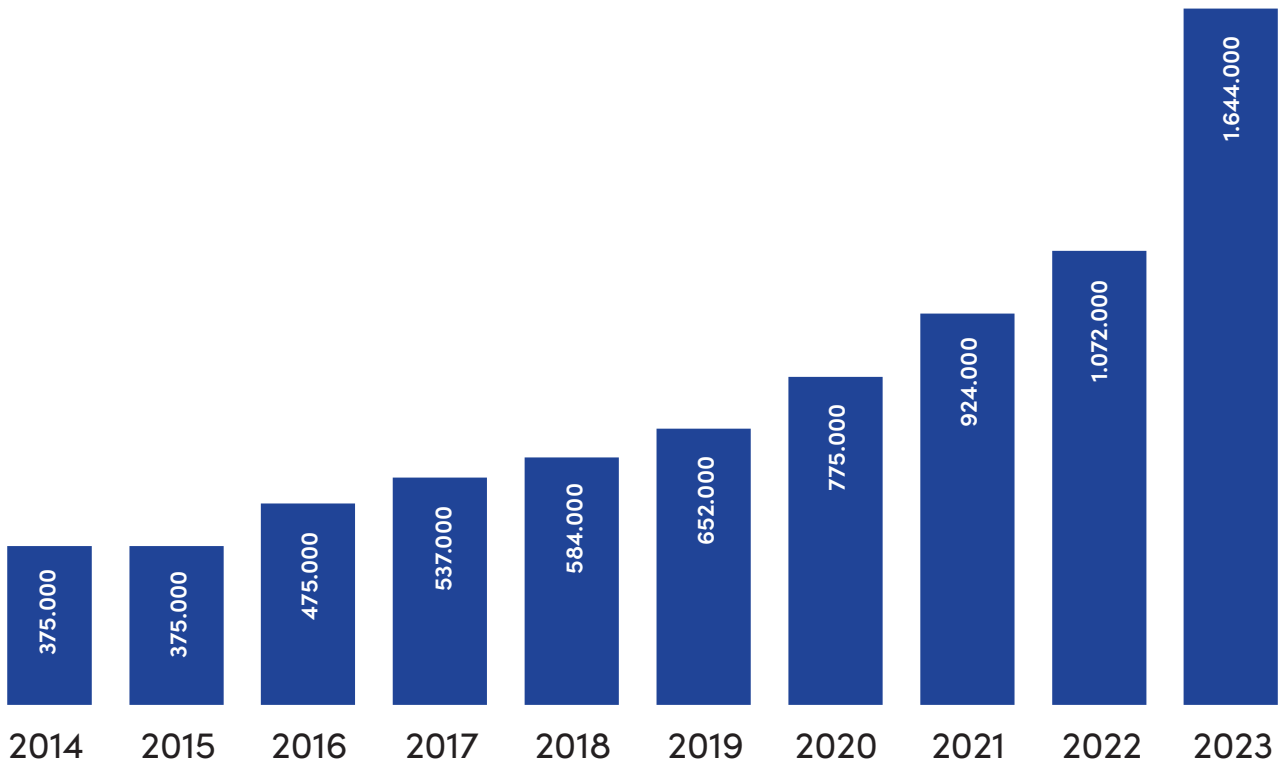
**26.402.745**



## Social liability (in euros)

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1.644.000

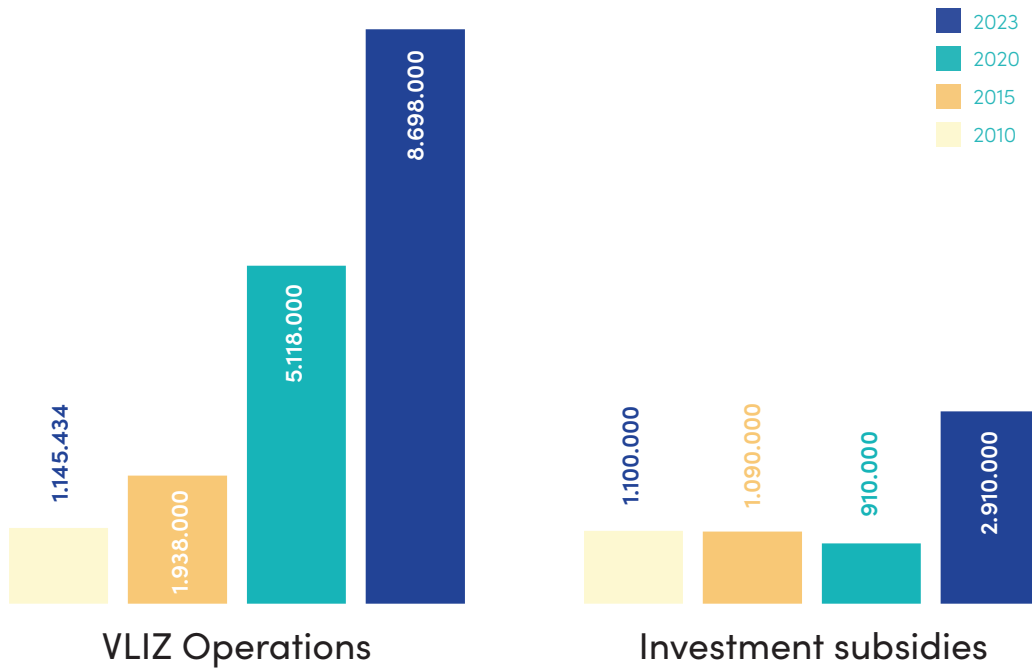




# Overview of grants

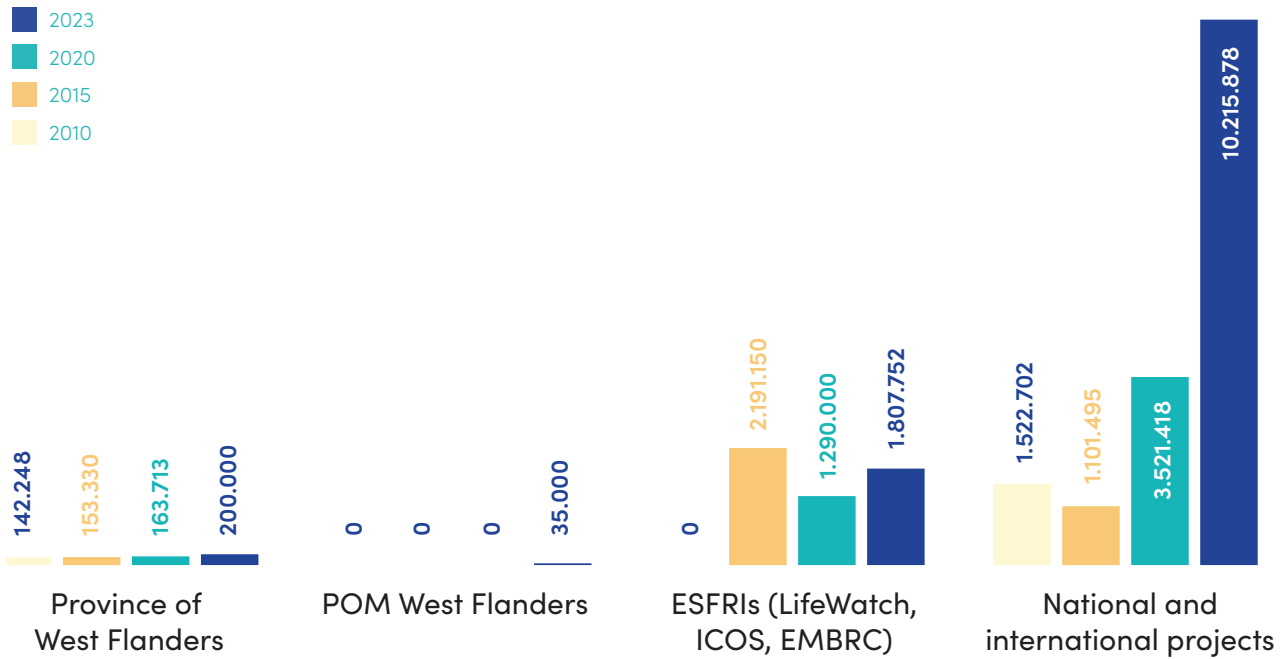
Flemish grants (in euros)

# 11.608.000



## External financing (in euros)

# 12.258.630



The external financing constitutes 105,6% of the Flemish grants (in 2022: 62%).

## Overnight stays

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251

The number of overnight stays in Ostend by visitors to the InnovOcean site or for events organised by InnovOcean partners in Ostend.  
In 2022: 107.

## Visits with an international character

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44

Meetings and events with an international character continued in Ostend with a total of 1215 participants.  
In 2022: 35 visits with 1027 participants.

## Participants in organised events

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5349

Participation in events (co)organised by VLIZ.  
In 2022: 5982 participants in events.

## Business trips

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125

Amount of business trips to 31 different countries.  
In 2022: 69 trips to 22 countries.

## VLIZ-awards

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13

Awards presented by VLIZ, including 2 for master's students, 7 for doctoral students, and 4 for both master's students, doctoral students, and postdoctoral researchers.  
In 2022: 12 awards.

## Information questions

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278 1795

### Questions

Total number of informational questions answered on all VLIZ departments through [info@vliz](mailto:info@vliz).  
In 2022: 280.

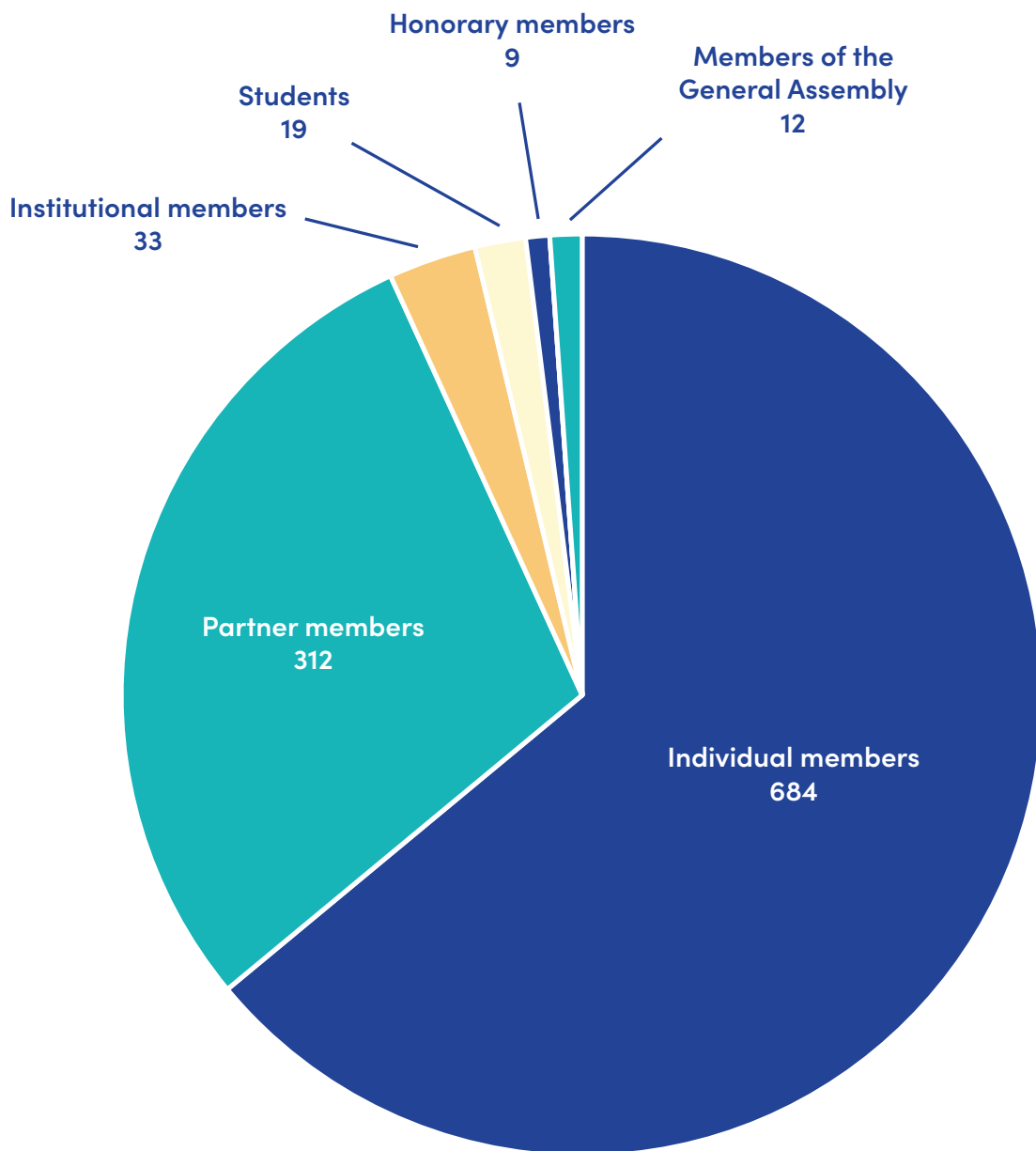
### Requests

Total number of literature requests (including information requests) to the library via [library@vliz.be](mailto:library@vliz.be).  
In 2022: 1598.

# VLIZ-members

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# 1069

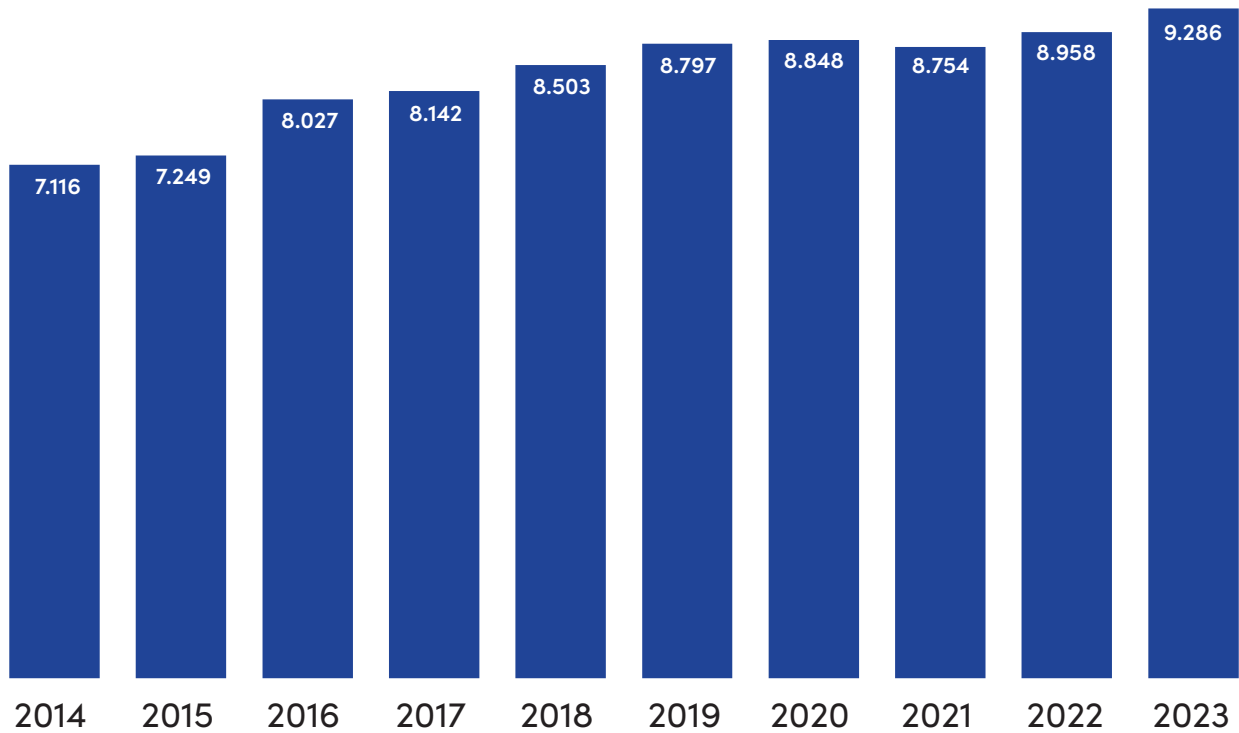


# Subscribers De Grote Rede

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# 9286

Number of subscribers since 1999 of which 8418 subscribers receive the paper version and 868 subscribers receive the digital version.

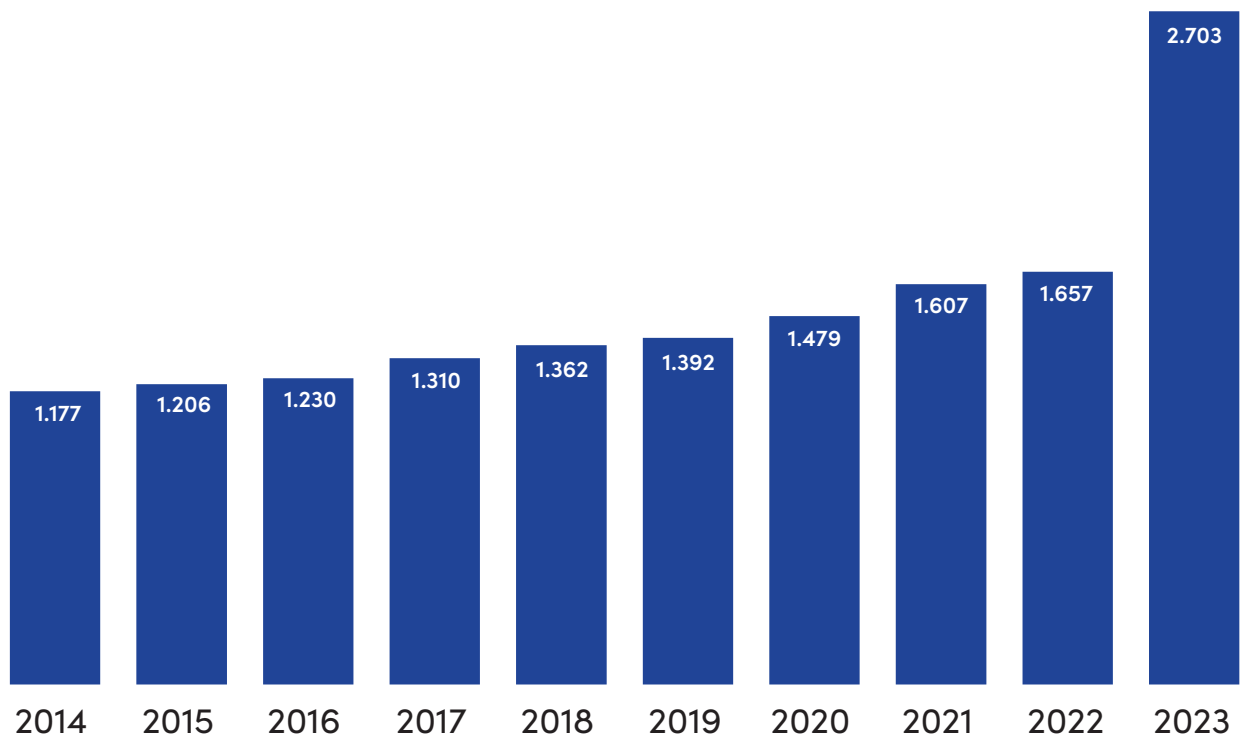


# Subscribers VLIZINE/Testerep magazine

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# 2703

Number of monthly subscribers to Testerep magazine.\*



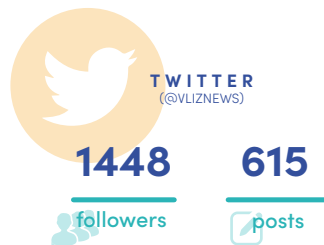
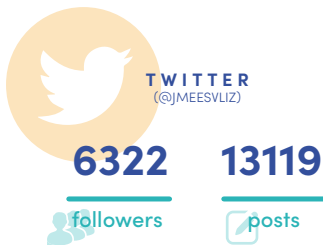
\* Since September 2020 'Testerep magazine' replaced the VLIZINE newsletter.

# Broad audience reached through lectures

# 1850

Members of the general public reached through 50 informational talks in VLIZ and beyond.  
In 2022: 2369 members of the general public reached through 47 informational talks.

## Social media reach





# Library collection growth

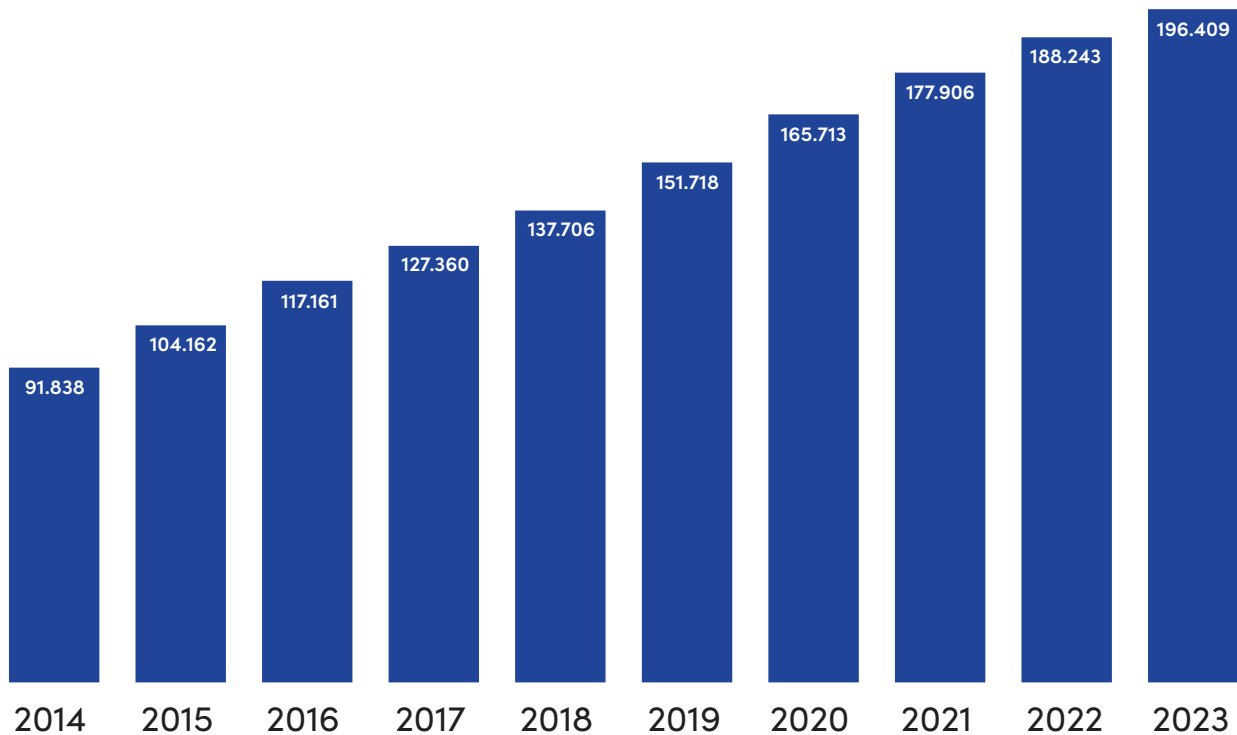
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# 196.409



## Publications

Total number of publications in the library (paper or digital), i.e., the cumulative growth of the paper and digital collection. In 2022, the collection expanded by 8166 new publications of which 96% were digital and 4% on paper.



# VLIZ-publications

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205 

## Publications

Publications with at least one author affiliated with VLIZ or for which VLIZ is the publisher.  
In 2022: 127.

# Number of literature requests

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1795

Literature requests

In 2022: 1598.

95% 

Literature requests delivered within one business day

In 2022: 95%.

# Citities

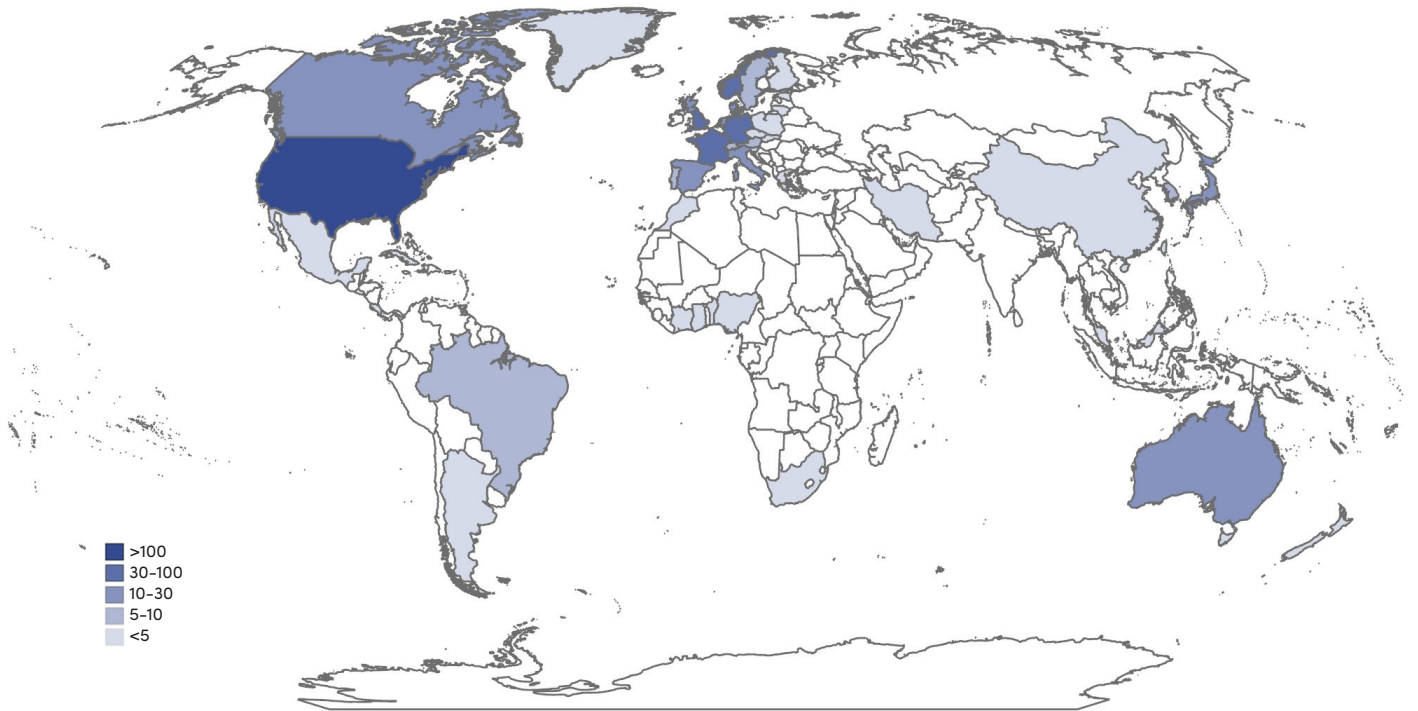
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 2859

## Citations

The average increase in the number of citations to all VLIZ publications over the period of 2020 - 2022.  
In 2022 the number of citations to VLIZ publications was 3485.

# Researchers and research groups on A1 publications



The distribution of the 622 international researchers across all A1 publications with a VLIZ author from 2023 by country.

## 622

### Researchers

Number of researchers on all A1 publications with a VLIZ staff member as author (See KPI 1), including 82 Belgian and 547 international researchers (see world map).

In 2022: 423 researchers including 94 Belgian and 329 international researchers.

## 470

### Research groups

Number of research groups on A1 publications with a VLIZ staff member as an author, including 46 Belgian and 424 international research groups.

In 2022: 278 research groups including 39 Belgian and 239 international researchers groups.

## Use MSO

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**165**

### Calendar days per year

In which externals use the MSO for scientific or educational purposes.  
In 2022: 172.

## Number of scientific projects using the Simon Stevin

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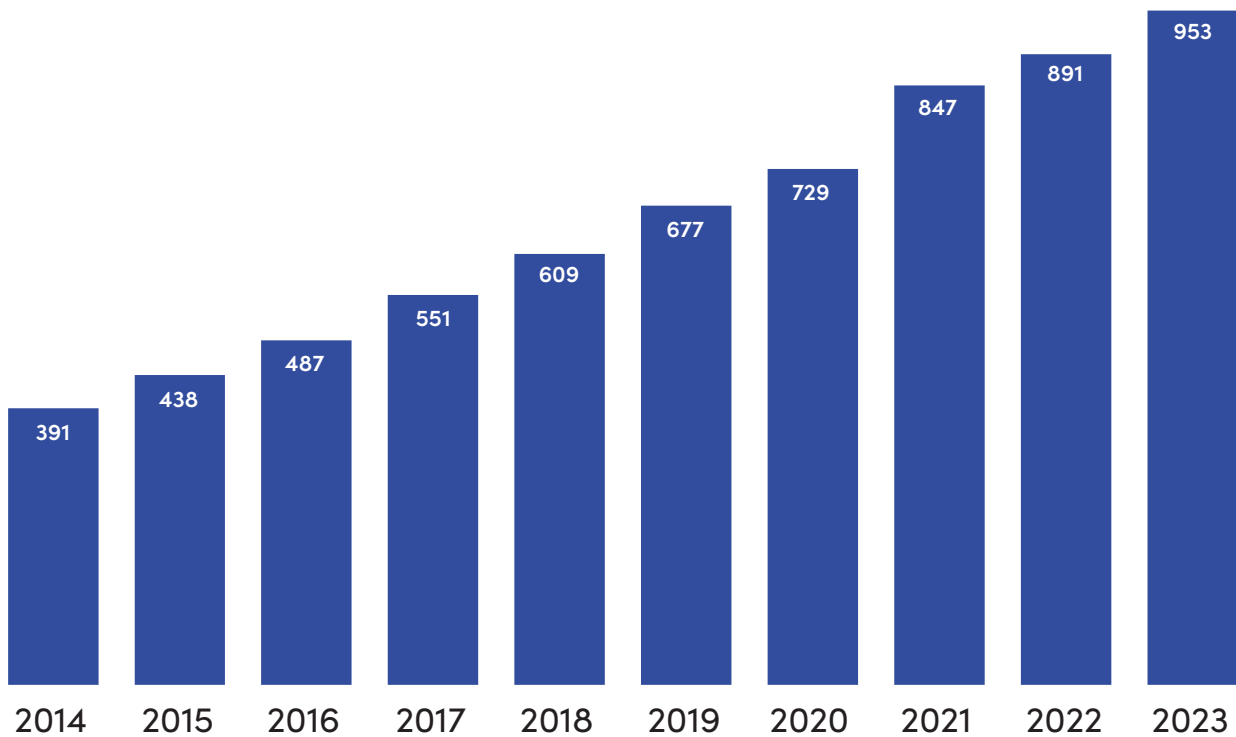
# Publications about VLIZ research facilities

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# 953

## Publications in 2023

Publications referring to VLIZ equipment, such as the Simon Stevin, RV Zeeleeuw, or robotics.  
These figures are cumulative.



# Downloads

## 853.308

Total downloads

From the Open Marine Archive (OMA).  
In 2022: 859.661; 2021: 1.329.655; 2020: 1.267.100; 2019: 884.540; 2018: 705.418; 2017: 794.376; 2016: 970.932; 2015: 510.018; 2014: 389.183; 2013: 194.947.

## 1.357.117

Total number of Open Access titles

Downloaded from the library collection.  
In 2022: 1.336.327.

## 41.054

Unique titles downloaded

From the Open Marine Archive in 2023.  
In 2022: 37.286.

## 62.779

Unique Open Access titles

Downloaded from the library collection.  
In 2022: 58.804.

## 29.501.277

Number of data downloads since 2006

In 2023, the number of data downloads was 12.239.335.  
In 2022: 4.531.881; 2021: 12.703.168; 2020: 10.054.281; 2019: 7.618.172; 2018: 5.755.508; 2017: 4.494.966; 2016: 3.220.042; 2015: 2.056.651; 2014: 988.409; 2013: 687.463; 2012: 533.349.

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Meetnet Vlaamse Banken	12.820	1.623	262	230	220	73	43	40	24	0	0
Spuikom	12.550	4.240	4.414	3.979	5.336	5.014	1.676	1.011	1.267	1.650	1.159
IOC Sealevel monitoring facility	119.348	284.518	1.052.948	1.145.428	1.248.812	1.237.284	1.839.158	2.222.396	2.642.936	4.467.244	12.159.042
Marine Regions	7.944	9.087	9.628	12.743	16.633	19.715	20.706	24.100	21.704	25.869	34.884
WoRMS	183	224	53	118	129	106	230	222	227	309	386
EMODnet	700	780	797	776	831	1.052	644	1.309	1.002	1.181	NVT
Schelde Monitor	569	474	140	159	87	174	165	603	208	226	196
MIDAS	NA	NA	NA	NA	54.533	39.580	10.709	81.606	8.519	35.375	43.668
Totaal	154.114	300.946	1.068.242	1.163.433	1.326.581	1.302.998	1.873.331	2.331.287	2.675.887	4.531.881	12.239.335

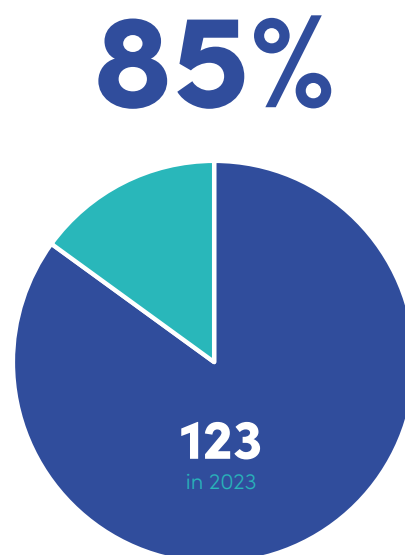
# Registered users VLIZ databases

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# People with an ORCID ID

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KPI FOSB: The proportion of persons with an ORCID ID in the following population: The total in FRIS registered researchers ever involved in a research project (in whole or in part) and financed with Flemish public funds and affiliated with a Flemish research institution at certain reference date in the year of measurement.

# New projects with a DMP

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## New projects with a DMP

KPI FOSB: The number of projects for which an initial Data Management Plan (DMP) is available from newly started research projects (fully or partially) financed with Flemish public funds. (Until 2022 the funding sources are limited to BOF/IOF, FWO and VLAIO, from 2023 the KPI applies to all Flemish research funders).

# Data-analysis and trainingworkshops organised

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## Data-analysis and trainingworkshops organised

In 2022, there were 11 data-analysis and trainingworkshops organised.



# Participation in consultation moments, consultation forums and organized events related to the Blue Economy and/or marine policy

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## Participations

Participation in consultation moments, consultation forums and organized events related to the Blue Economy and/or marine policy.

# Updating the inventory of the marine research landscape in Flanders (Compendium for Coast and Sea)

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## Annual update of the inventory

Of the marine research landscape in Flanders (Compendium for Coast and Sea) based on an exhaustive survey of the scientific literature databases.

# Opinions that contribute to the scientific underpinnings of marine and/or Blue Economy policies

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That contribute to the scientific underpinnings of marine and/or Blue Economy policies.

## Data provided

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# 447

(77 in 2023 alone)

Number of data requests

Through [data@vliz.be](mailto:data@vliz.be).  
In 2022: 371.

# Scientific projects

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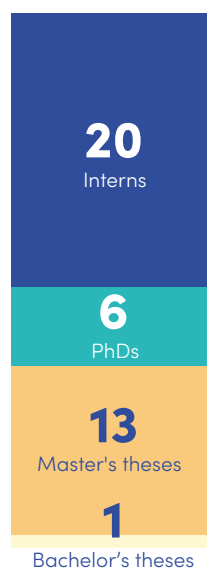
# 222

Scientific projects

Using the RV Simon Stevin/  
RV Zeeleeuw since 1999.

# Bachelor's and master's theses, PhDs and internships

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# 40

Of which VLIZ  
is supervisor/  
co-supervisor

In 2022: 30 of which 5 master's  
theses, 2 PhDs and 23 internships.

# Number of sailing days realised

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# 202

Sailing days

Number of sailing days realised	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RV Simon Stevin	100	147	183	176	184	168	169	182	137	163	173	164
RV Zeeleeuw	57	NVT	NVT	NVT	NVT	NVT	NVT	NVT	NVT	NVT	NVT	NVT
RIB 'Zeekat'	37	5	17	21	18	12	28	28	64	73	47	18
ROV 'Zonnebloem'	6	26	20	4	3	11	10	11	0	NVT	0	0
Third-party vessels	110	42	48	50	36	43	63	34	42	38	7	20
<b>Total</b>	<b>310</b>	<b>220</b>	<b>268</b>	<b>251</b>	<b>241</b>	<b>234</b>	<b>270</b>	<b>255</b>	<b>243</b>	<b>274</b>	<b>227</b>	<b>202</b>

# Sailing days with international participation

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# 18

Vessel days conducted in foreign waters and/or with the participation of international research groups

In 2022: 23.