

Ifremer's outreach activities

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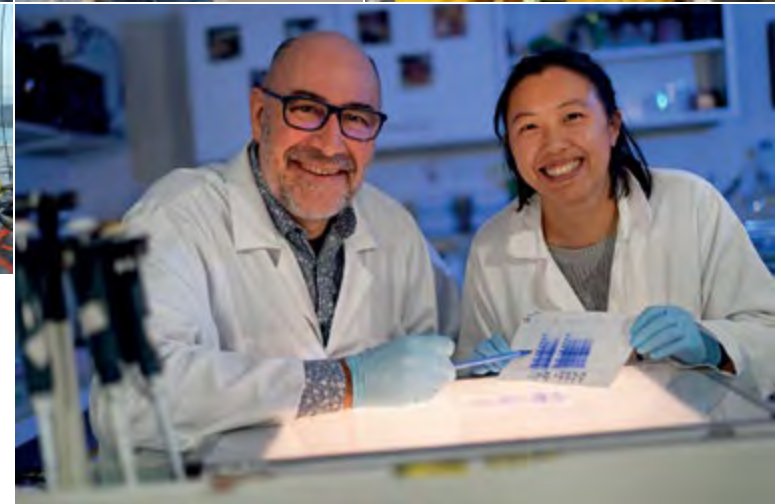
Scientific outreach officer

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Ifremer

French Research Institute for the Exploitation of the Sea

- Dedicated to marine sciences and technologies
- Research, observation, survey, innovation, expertise
- Operator of the French Oceanographic Fleet
- A workforce of 1,500 people, of which 600 scientists



Why Outreach ?

Traditionally

What? Scientific activities to make people “love” science

Target audiences? Public "disinterested", even "feeling illegitimate"

Why? Mainly encourage scientific and technological careers

Current finding: rising institutional **mistrust**

A growing questioning of the universality, the social impact and the cultural value of scientific work.

Creation of fake news: the citizen can become a vector of disinformation.

How to react as a scientific institute?

Why Outreach ?

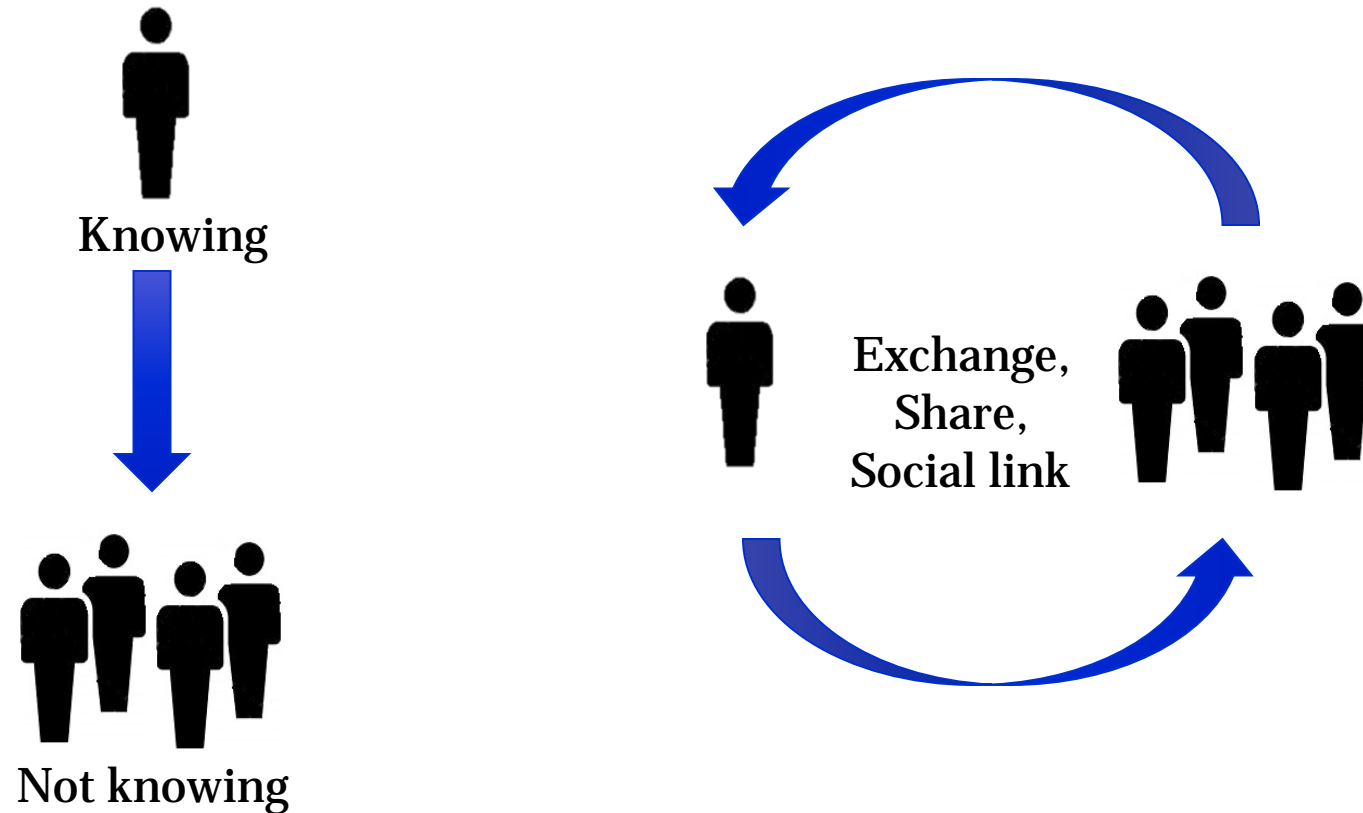
It enables the appropriation of science through an approach based on **exchange** and **practice**.

It is not just transmission of content.

By **sharing** the ambitions and resources (human and technical) of research, it aims to open citizens to **investigation**, to learn to **questioning**, to work on their **critical** thinking, to make they want to learn on their own in order to **emancipate** oneself.

What is Outreach ?

Popularization = Outreach ?



Outreach at Ifremer



Ifremer outreach actions

Animation **kits** and interactive games,
Workshops,
Outreach component **support**



Educational paths
with an active approach of
scientific investigation,
artistic creativity, citizen
expression
Débattre sans se battre
Mon lopin de mer
Initium Maris Civis
Deep Sea Spy
Adopt a float



Training with immersion in the
laboratory and discovery of
scientific issues
Université d'été Mer & Education
Stages Cefpep



Participation in national cultural
actions of our partners



For schools



Débattre sans se battre

- High school, 15-17 years old
- Learn to argue, check the sources of information, initiate the citizen debate around current scientific questions dedicated to the ocean; fight against disinformation and promote the development of critical thinking.
- Ifremer (leader)
Les Petits Débrouillards



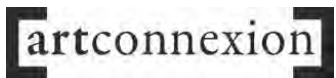
Mon lopin de mer

- Elementary and middle school, 9-12 years old
- Forge an emotional bond between young people far from the coast and the ocean, raise awareness of the fragility and our dependence on marine ecosystems, encourage civic engagement.
- Ifremer (leader)
Réseau Les Petits Débrouillards
Réseau Canopé
La Rochelle Université



Initium Maris Civis

- Elementary school 9-11 years old
- Educational component of the art-science research project Initium Maris
- Introduce to the diversity and complexity of underwater landscapes and their interactions with living things, by adopting an approach that combines art and science.
- Ifremer (leader)
Nicolas Floc'h, artist

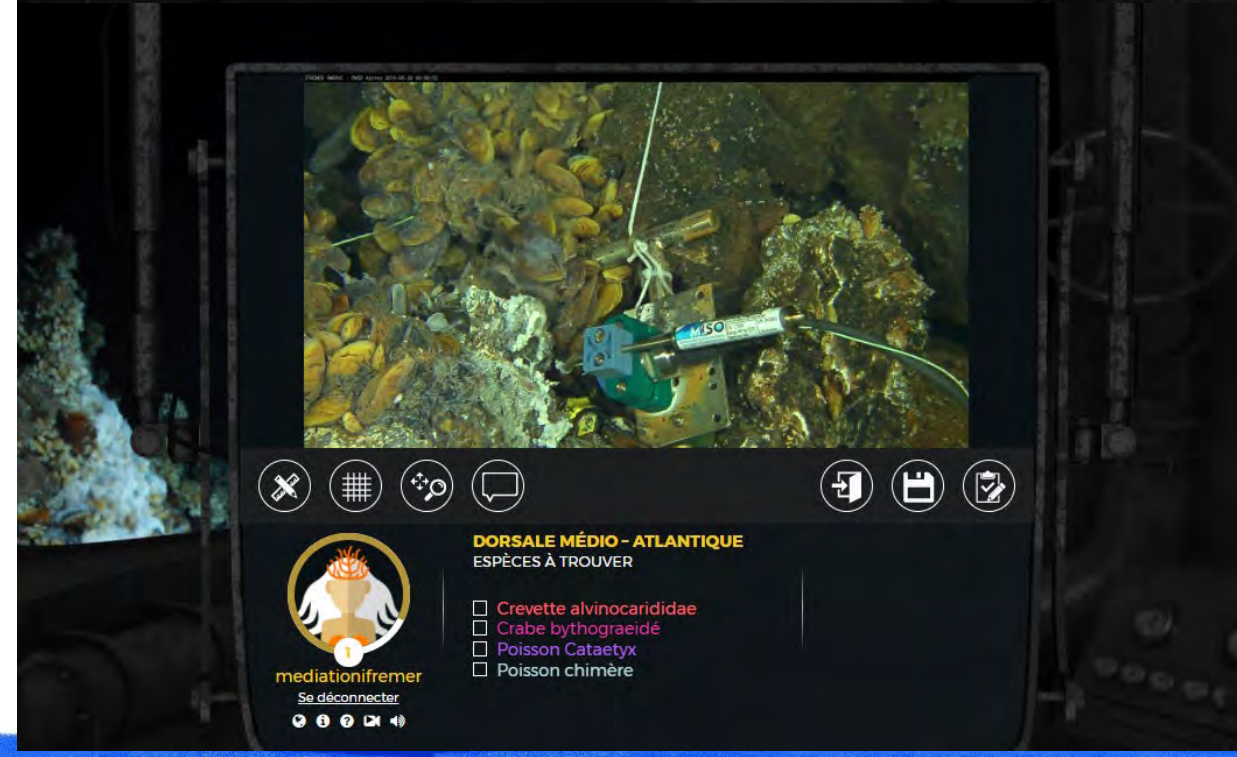
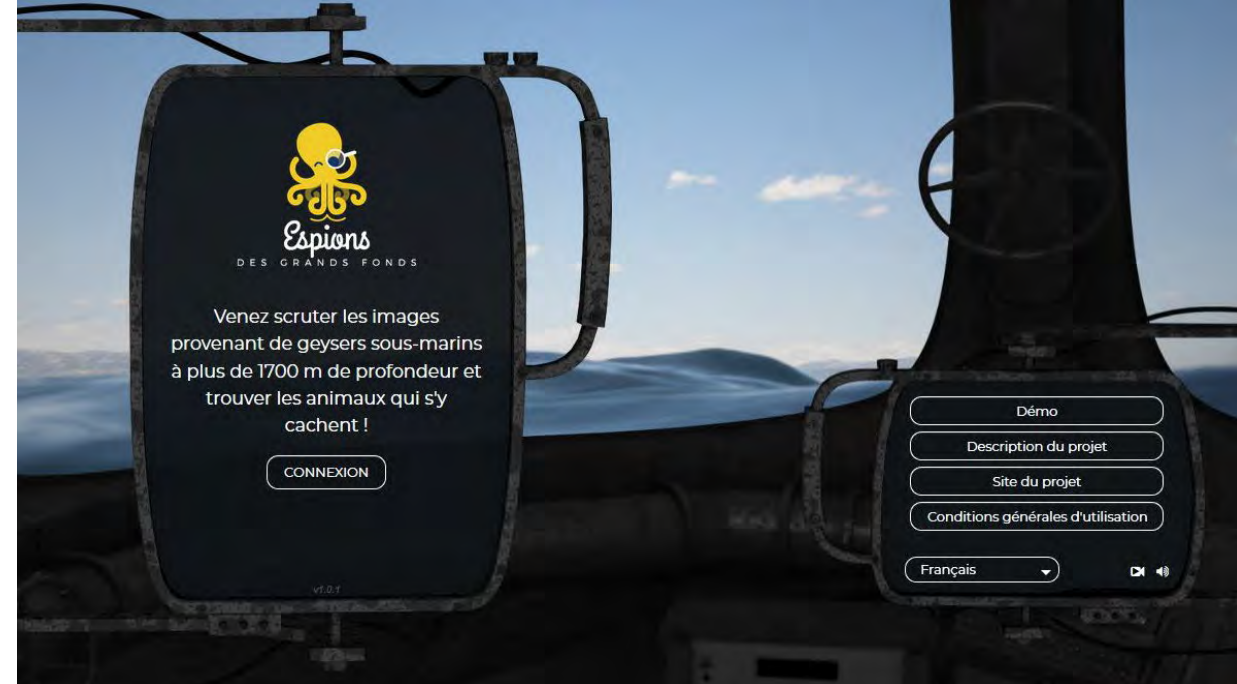


O. Dugornay - Ifremer



Deep Sea Spy

- From elementary school to adults !
- Participatory science
- Help to annotate images from the subsea geysers located at 1700 m depth in the Atlantic and Pacific Oceans! The Deep-sea Spy project invites you to discover hydrothermal fauna and participate in the Lab's research.
- Ifremer (leader)



Adopt a float

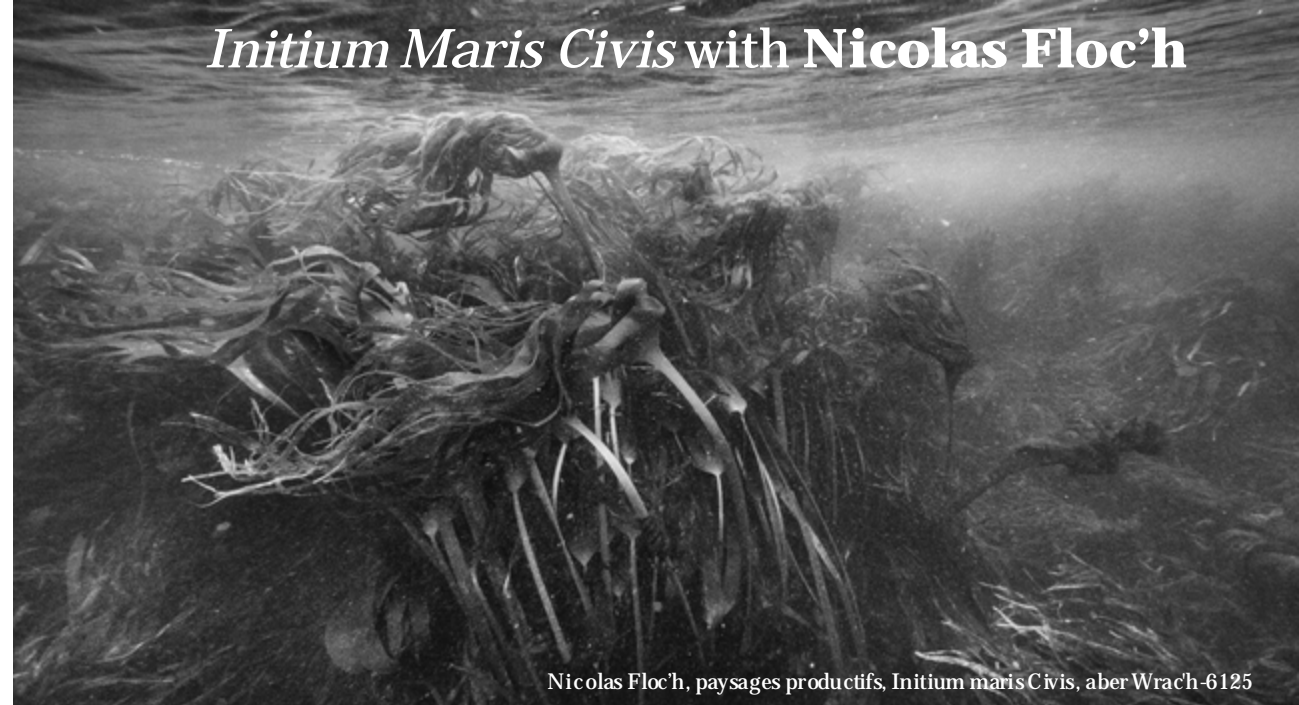


- Elementary, middle and high school, from 7 to 17 years old
- Discover the world ocean and the importance of studying, understanding and protecting it through 1) the adoption of a profiler float and the monitoring of its scientific journey in real time and 2) meetings, exchanges and activities with scientists.
- IMEV (leader)
Ifremer (participation in the deployment)



Art-Science collaborations

Initium Maris Civis with **Nicolas Floc'h**



Nicolas Floc'h, paysages productifs, *Initium maris Civis*, aber Wrac'h-6125

Adopt a float and Mon Lopin de Mer
with the **Théâtre à Molette**



Deep Sea Spy with the **Teatr Piba**



For general public
Recurring and one off events



Science Festival



**IUCN World Conservation Congress
(Marseille, FR, 2021)**



European researcher's night

For teachers

Middle and high school



CEFPEP
CENTRE D'ÉTUDES
ET DE FORMATION
EN PARTENARIAT
AVEC LES ENTREPRISES
ET LES PROFESSIONS

- **Université d'été Mer et Education**
Four partners, one week of training for 60 teachers of any discipline.
- **CEFPEP Stages**
2 times 2 days of immersion in the current science of Ifremer.



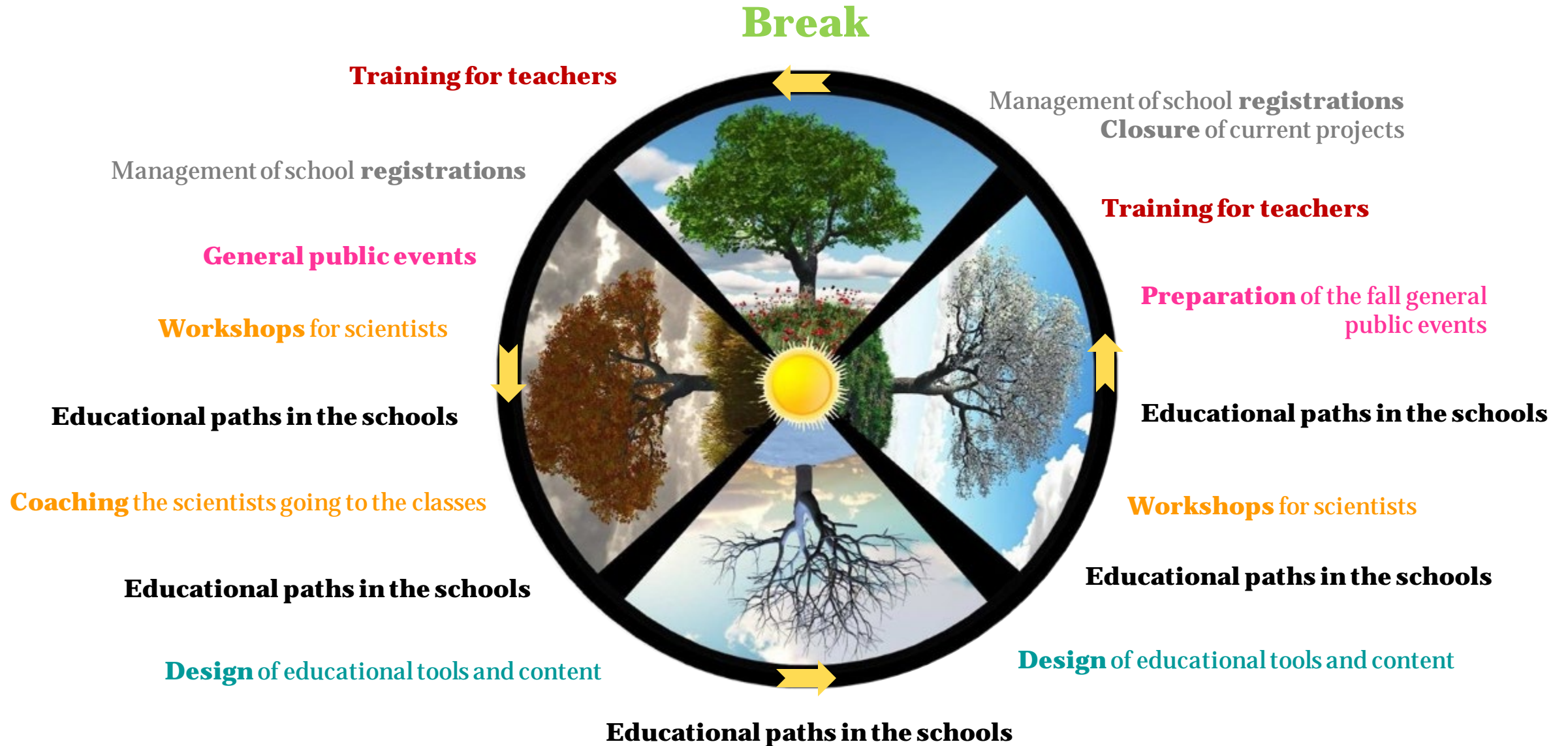
For and with scientists

Animation kits and interactive games



Workshops

A typical year of our outreach team



Thank you

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#ALLONBOARD



