



# Technology Fund

GUARANTEES FOR INNOVATIVE CLIMATE PROTECTION

## The Technology Fund Loan guarantee program to Swiss entrepreneurs

22 June 2021 – Simone Riedel Riley  
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Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Federal Office for the Environment FOEN

[www.technologyfund.ch](http://www.technologyfund.ch)

Fund manager mandated by the FOEN:

emerald  
Technology Ventures



south pole

# After my presentation

*you will know:*



- ... what the Technology Fund offers
- ... what the eligibility criteria are
- ... what some of our conditions are
- ... our governance
- ... our due diligence process and success rate
- ... and our portfolio companies!



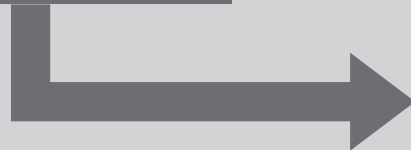
# Financed by CO<sub>2</sub> tax

*The Swiss government as fund sponsor*

Target: reduction of the domestic greenhouse gas emissions of at least 20 % until 2020 compared to 1990

## Reduction measures:

CO<sub>2</sub> tax on fossil fuels



About 2/3 are reimbursed to citizens and companies annually

Das Gebäudeprogramm 

Maximum of CHF 450m per year

 Technology Fund

CHF 25m per year

Fund manager mandated by the FOEN:

# We offer loan guarantees

*of up to CHF 3 million*

The technology fund provides **loan guarantees** in an amount of up to CHF 3 million to **innovative small and medium entities (SME)** whose products contribute to the **mitigation of climate change.**

# Eligible technologies

*Climate protection as overall goal*



Reduction of greenhouse gas emissions



Efficient utilization of electrical energy



Promotion of renewable energies



Conservation of natural resources

**Important:**  
Positive impact  
on greenhouse  
gas balance

# Targeted companies

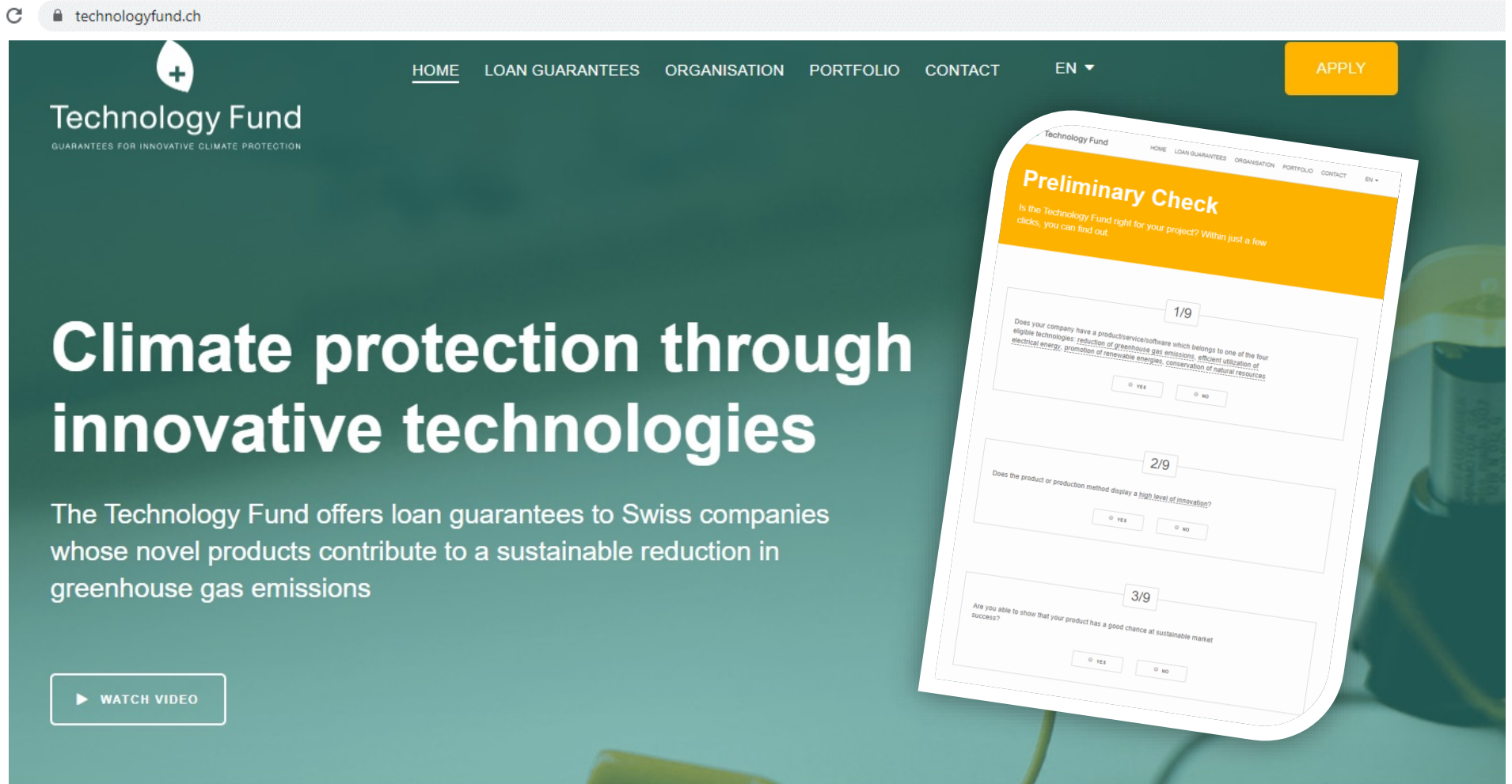
*Innovative SME with market opportunities*

- The technology or product offers a **positive environmental impact** and is **innovative**.
- The product offers a sizeable **market opportunity** and has generated at least **CHF 100'000 in sales**.
- The applicant is **creditworthy**.
- Applicant and lender are **domiciled in Switzerland**.

For a list of the most important criteria please refer to the **preliminary check** at **[www.technologyfund.ch](http://www.technologyfund.ch)**

www.technologyfund.ch

*Online preliminary check and application*

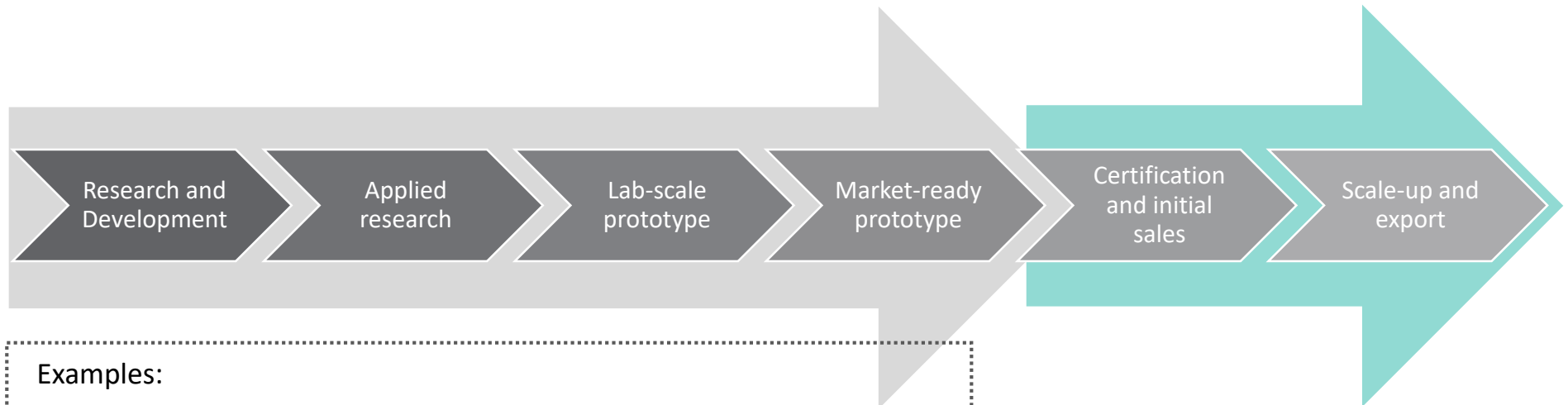


The screenshot displays the Technology Fund website. At the top, there is a navigation menu with links for HOME, LOAN GUARANTEES, ORGANISATION, PORTFOLIO, CONTACT, and EN. A yellow 'APPLY' button is located in the top right corner. The main heading reads 'Climate protection through innovative technologies'. Below this, a sub-heading states: 'The Technology Fund offers loan guarantees to Swiss companies whose novel products contribute to a sustainable reduction in greenhouse gas emissions'. A 'WATCH VIDEO' button is positioned at the bottom left. On the right side, a tilted image shows a 'Preliminary Check' form with three questions:

- 1/9** Does your company have a product/service/software which belongs to one of the four eligible technologies: reduction of greenhouse gas emissions, efficient utilization of electrical energy, production of renewable energies, conservation of natural resources?  
 YES  NO
- 2/9** Does the product or production method display a high level of innovation?  
 YES  NO
- 3/9** Are you able to show that your product has a good chance of sustainable market success?  
 YES  NO

# We finance the scale-up

> CHF 100'000 in sales is crucial



## Examples:

- Innosuisse [www.innosuisse.ch](http://www.innosuisse.ch)
- Environmental technology promotion by FOEN <http://bit.ly/2KDScp8>
- Pilot and demonstration programme by SFOE [www.bfe.admin.ch/pilotdemonstration](http://www.bfe.admin.ch/pilotdemonstration)
- Energy research programmes <http://bit.ly/3c0LNzE>
- ProKilowatt [www.prokw.ch](http://www.prokw.ch)
- energie schweiz [www.energieschweiz.ch](http://www.energieschweiz.ch)

Focus of Technology Fund

Fund manager mandated by the FOEN:



# Conditions

*Loan guarantees of up to CHF 3 million, 40% other funds*



## Product

Loan guarantee  
(=security for the bank)



## Lenders

Banks and other suitable lenders  
domiciled in Switzerland.  
A minimum of 20 % of the loan needs  
to be repaid after the first half of the duration.



## Cover

Limitation of the guarantee to 60%  
of the total financing,  
but up to 100% of the loan.  
= Minimum 40% other funds.



## Fees

Preliminary check is free of charge.  
CHF 1'000 to enter due diligence light  
CHF 2'000 following a positive decision  
0.9% of the guaranteed amount annually.



## Scope and duration

CHF 50'000 to CHF 3 million and  
a maximum of 10 years.



## Fund size (guaranteed credit)

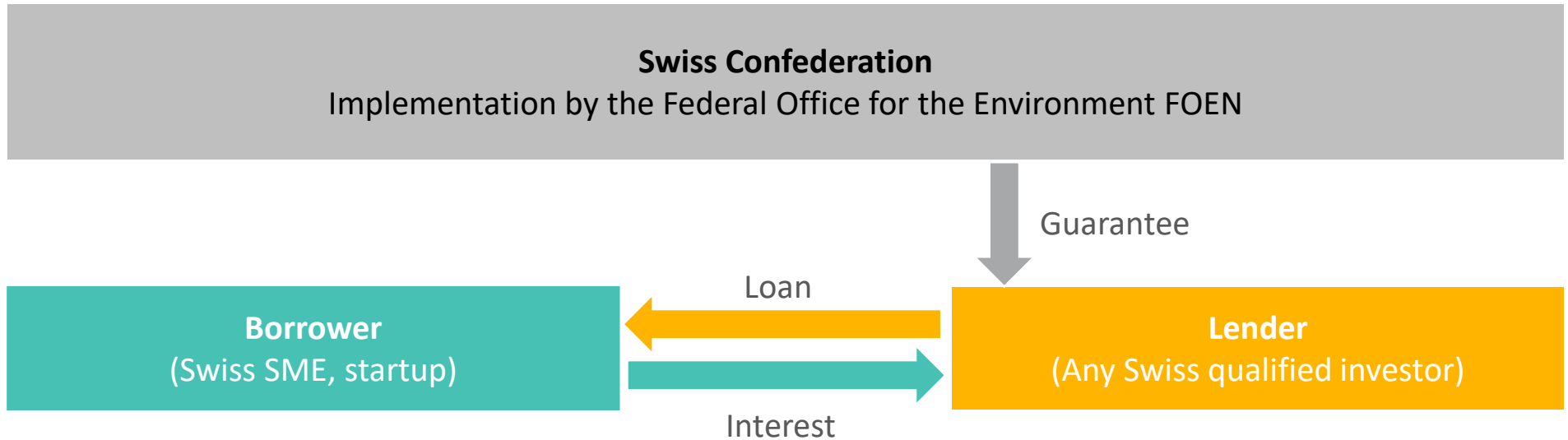
Currently CHF 350 million.  
Can be increased to a max.  
of CHF 500 million.

Fund manager managed by the FOEN:



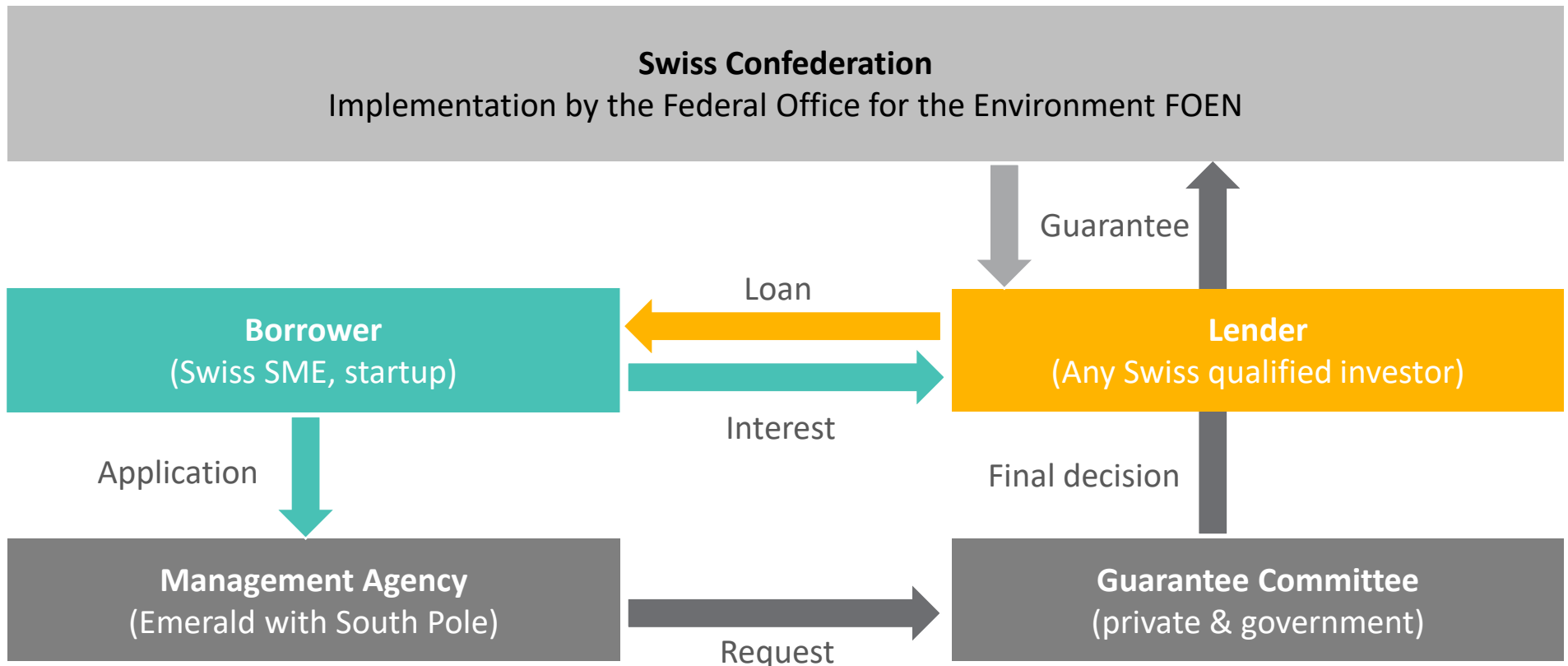
# Organization

*We facilitate standard loans*



# Organization

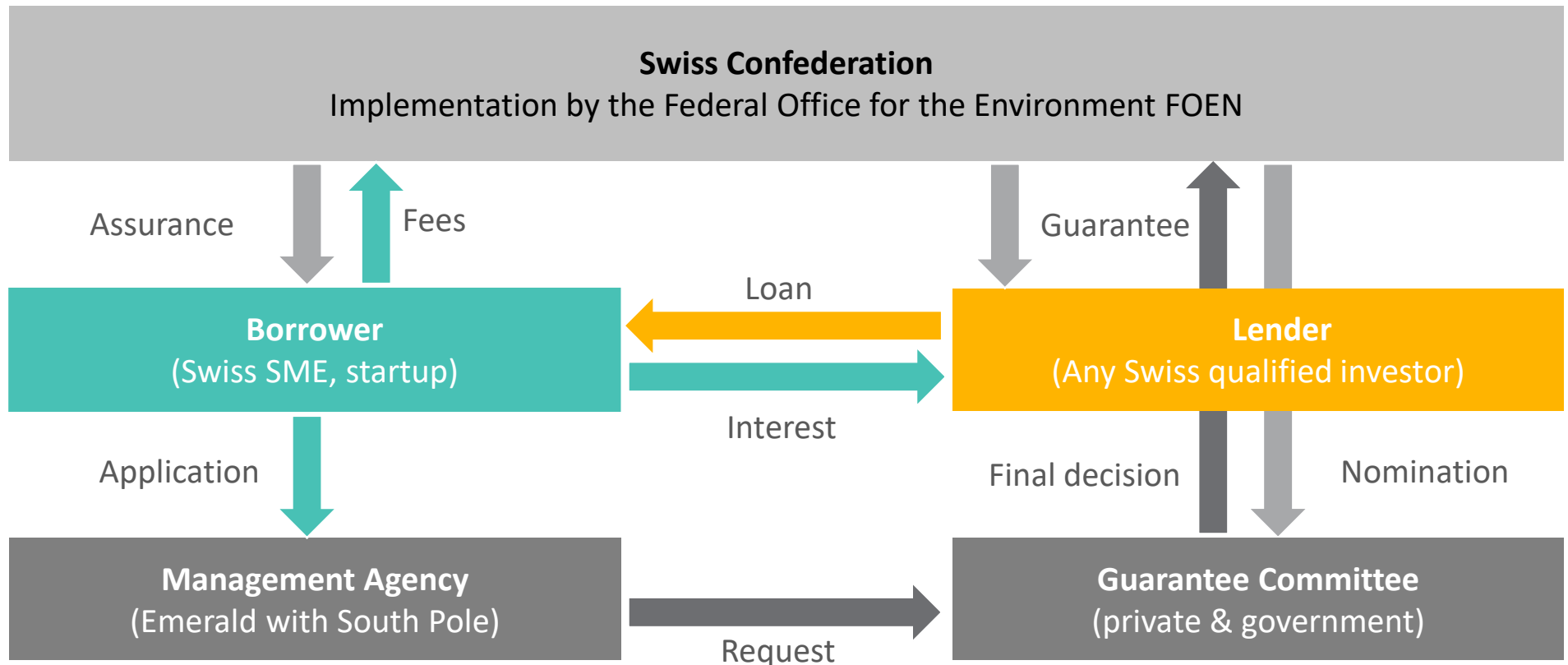
*Fund managed by external agency*



Fund manager mandated by the FOEN:

# Organization

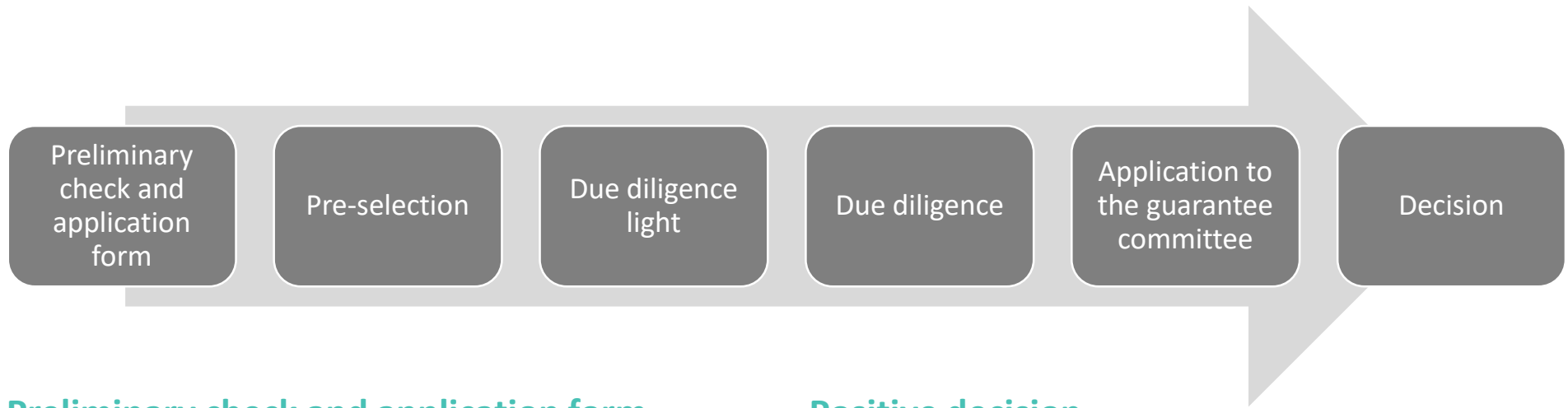
*Fund managed by external agency*



Fund manager mandated by the FOEN:

# Procedure

*Staged Due Diligence; Decision by guarantee committee*



## Preliminary check and application form

Queries regarding the most important criteria (for free).

## Preselection / Due Diligence light

A review of the eligibility of the technology and the applicant's creditworthiness.

## Due Diligence

The applicant's management presentation and a thorough review of its legal and financial situation.

## Positive decision

The applicant receives a confirmation for a guarantee. A loan agreement and a guarantee agreement are then concluded. Quarterly monitoring.

































































































## Negative decision

Possible at any time in the application process if the eligibility or creditworthiness criteria are not met. The applicant receives written notification.

Fund manager mandated by the FOEN:

# 107 Portfolio Companies

Portfolio size: CHF 185 million as per 31.05.2021

Average  
guarantee amount per  
portfolio company

**CHF 1.7m**

Average  
duration of the  
guarantees

**7 years**

# Testimonials

## Nexxiot AG



*«We are currently expanding our team in Europe and are about to make a strategically significant expansion into the US. The guaranteed loan from the Technology Fund plays a decisive role in this.»*

Philipp Spogler, CFO



Nexxiot allows clients to reduce costs and increase revenues by **improving supply chain transparency** for customers and partners along the entire **intermodal chain** – after all, global trade is one of the main sources of greenhouse gas emissions. Nexxiot’s service model includes smart sensors, connectivity, user interfaces and cloud solutions with integrated business intelligence. This approach eliminates the need for up-front investment and costly integration for a maximum ROI.

[nexxiot.com](https://nexxiot.com)

Fund manager mandated by the FOEN:

# Testimonial

## eSMART Technologies SA



*«We are about to further develop our product and intensify marketing activities. In addition, resources are needed to protect our intellectual property. The Technology Fund gives us the necessary backing during this phase.»*

Fabrizio Lo Conte, CEO



Based on innovative electronic modules that communicate on the electrical power line, eSMART is a **complete smart home management system**. The modules are plugged directly into the home's existing electric grid and connected to a touch-screen, smartphone and computer. eSMART gives homeowners remote and automatic control of things around their home to **understand and reduce energy consumption**.

[www.myesmart.com](http://www.myesmart.com)



# We support Swiss SME & startups



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