

Platform presentation

with synchronization and collaboration system



openXeco

Open Exchange for ecosystems

<https://openxeco.org/>

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Table of contents

- ✓ Platform
- ✓ Connecting the ecosystems
- ✓ Use cases
- ✓ Pros of collaboration

Platform

Platform

- ✓ Open source with a public repository
 - <https://github.com/CybersecurityLuxembourg/openxeco-core> 
- ✓ Components
 - ✓ oxe-api: API as a middle-ware between the database and the web app
 - ✓ oxe-web-admin: Web app for administrators
 - ✓ oxe-web-community: Web app for the community
- ✓ Additional web app consuming the API

Platform

Manageable objects

Article

Entity

Taxonomy

Users

News

Event

Job offer

Service

Tool

Public sector

Private sector

Civil society

Company
size

Industry
vertical

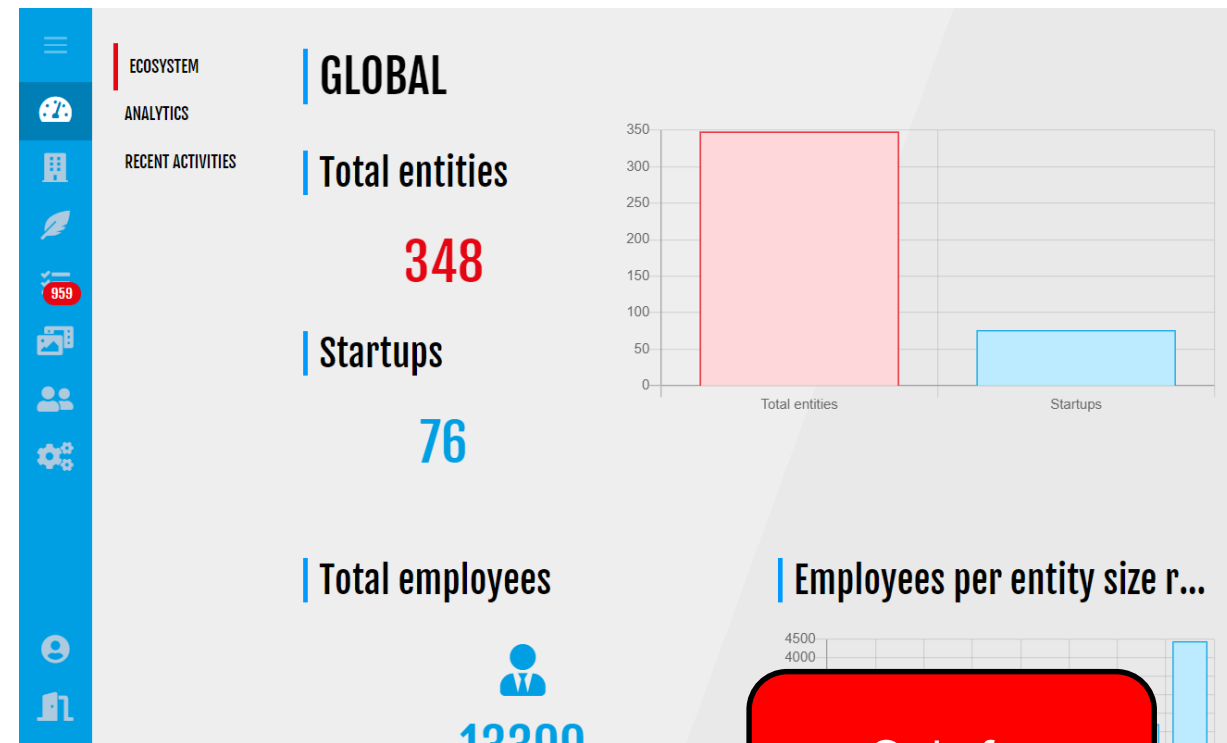
ECSO
classification

...

Platform: oxe-web-admin

- ✓ Manage entities
 - ✓ Including metadata, address, contacts, workforce, taxonomy
- ✓ Manage articles
 - ✓ News, events, job offers, services, tools
- ✓ Manage requests (see next slide)
- ✓ Manage taxonomies
- ✓ Control the data
- ✓ Manage settings

<https://db.cy.lu/>

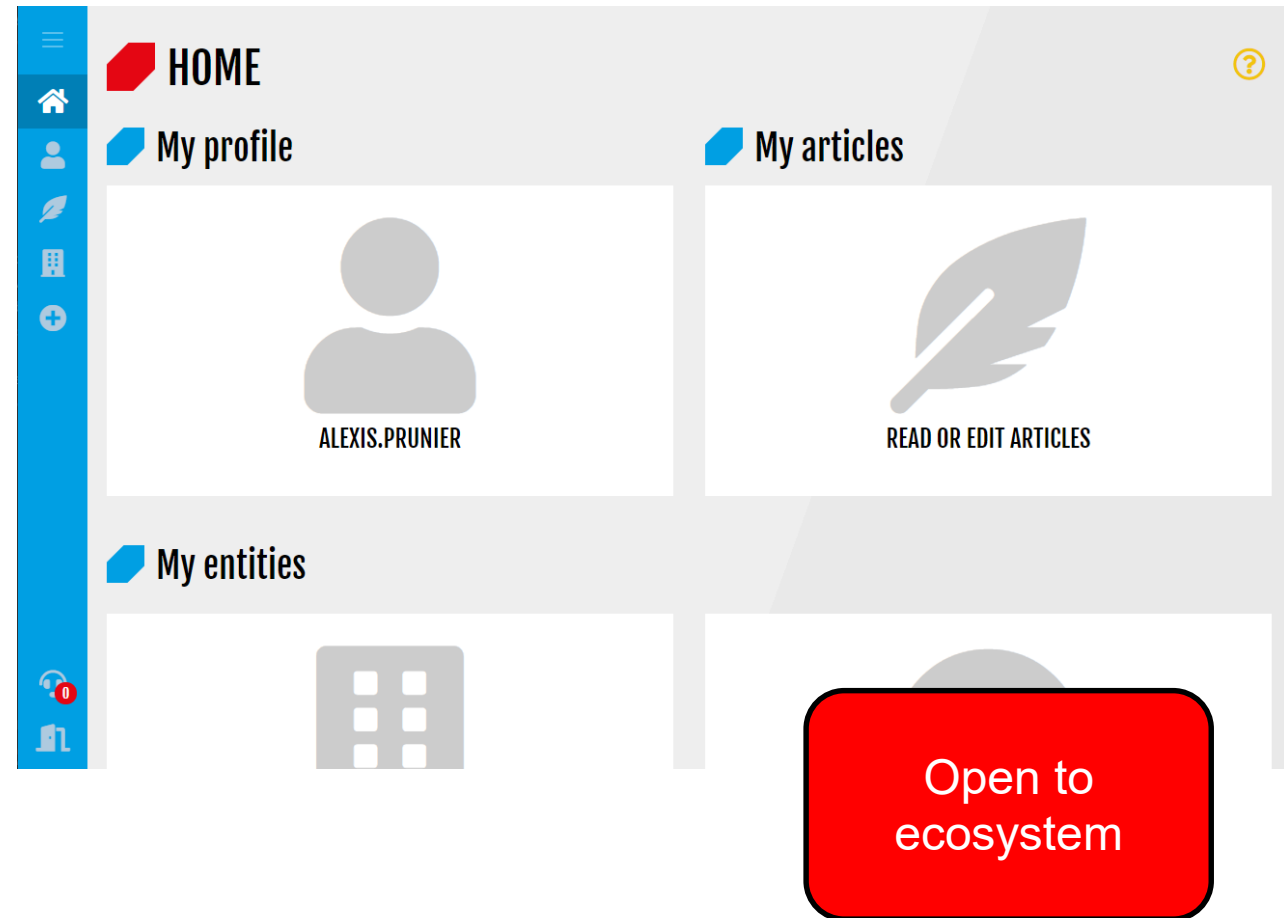


Only for
administrators

Platform: oxe-web-community

- ✓ Manage personal data
- ✓ Manage my entities via requests
 - ✓ Including metadata, address, taxonomy
- ✓ Edit and publish articles on behalf of my entity
 - ✓ News, events, job offers, services, tools
- ✓ Generate logo

<https://my.cybersecurity-luxembourg.com/>

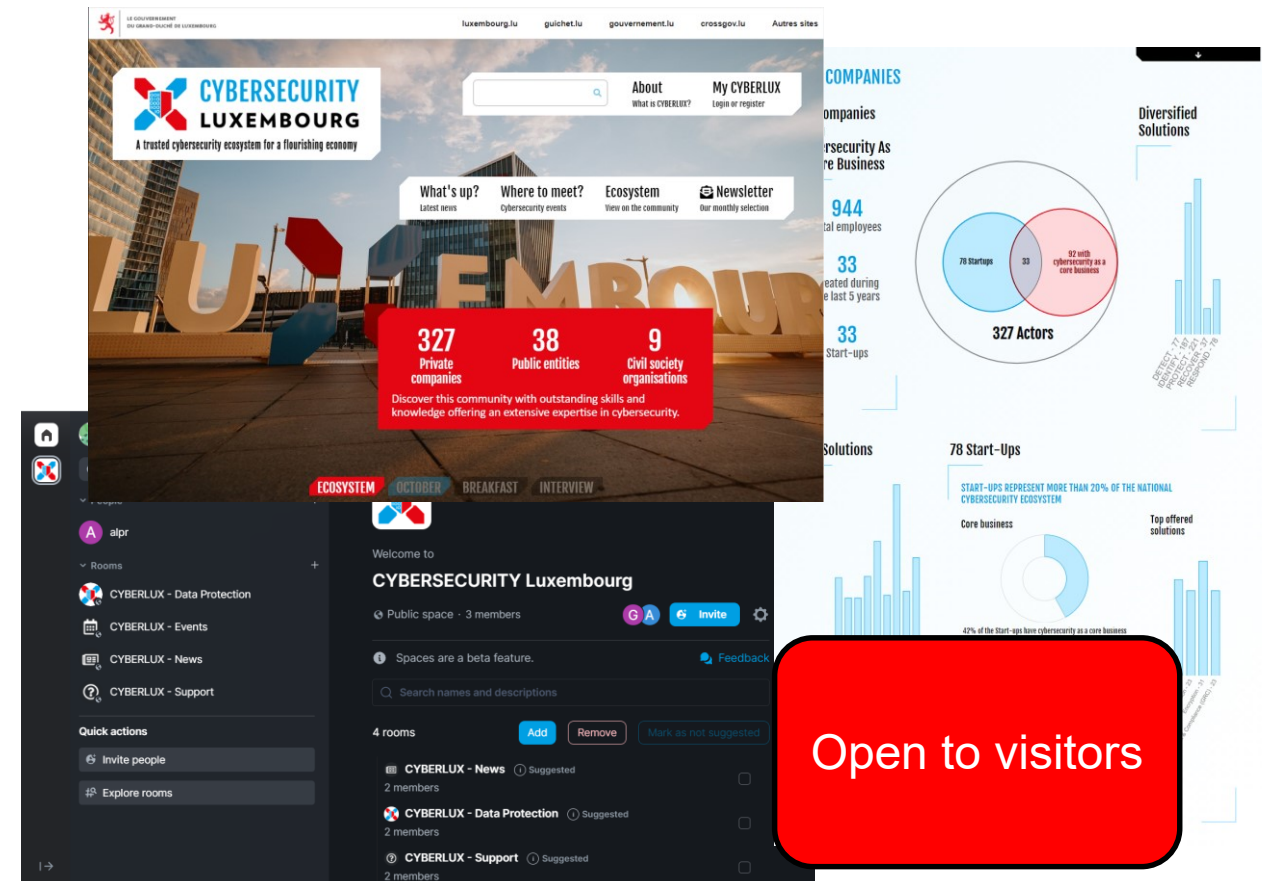


Platform: other projects

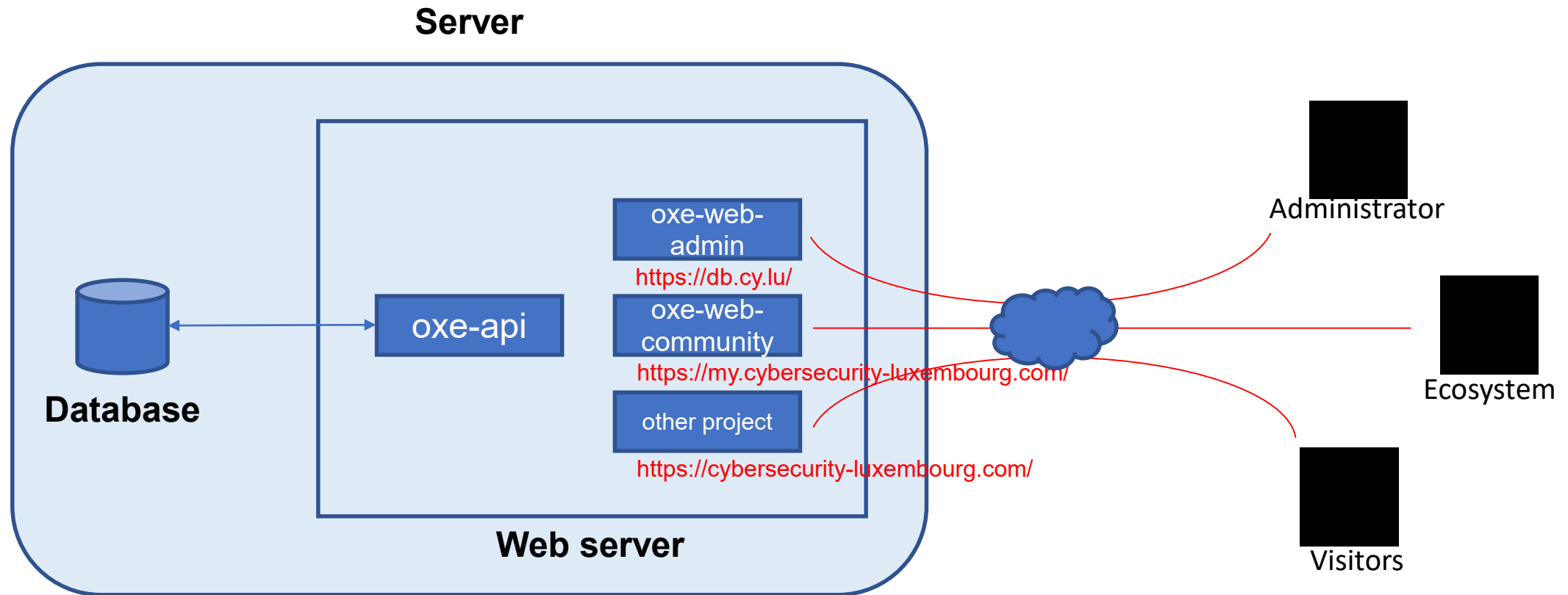
- ✓ Side web app consuming the API
- ✓ Give a representation of the ecosystem
- ✓ Show the article published by the administrators and the community
- ✓ Give access to any tier

<https://cybersecurity-luxembourg.com/>

<https://community.cybersecurity-luxembourg.com/>

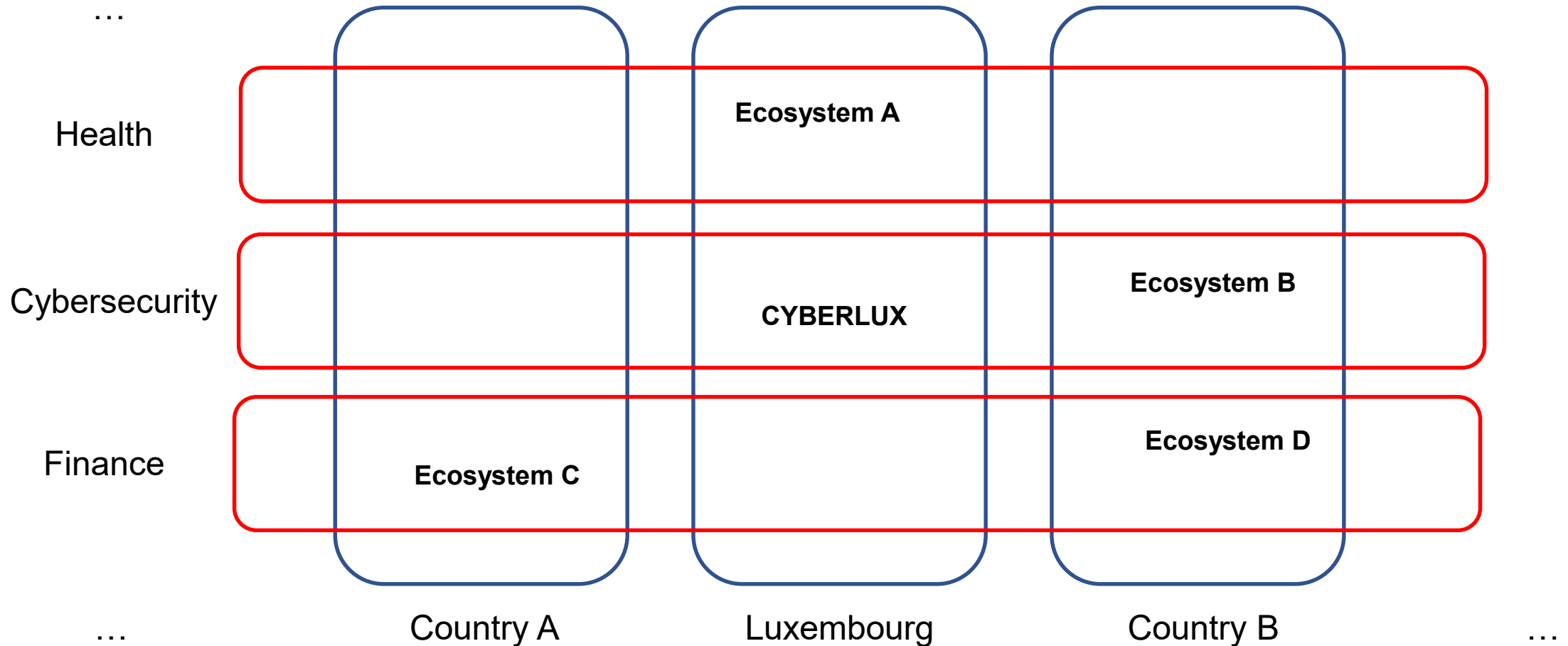


Platform

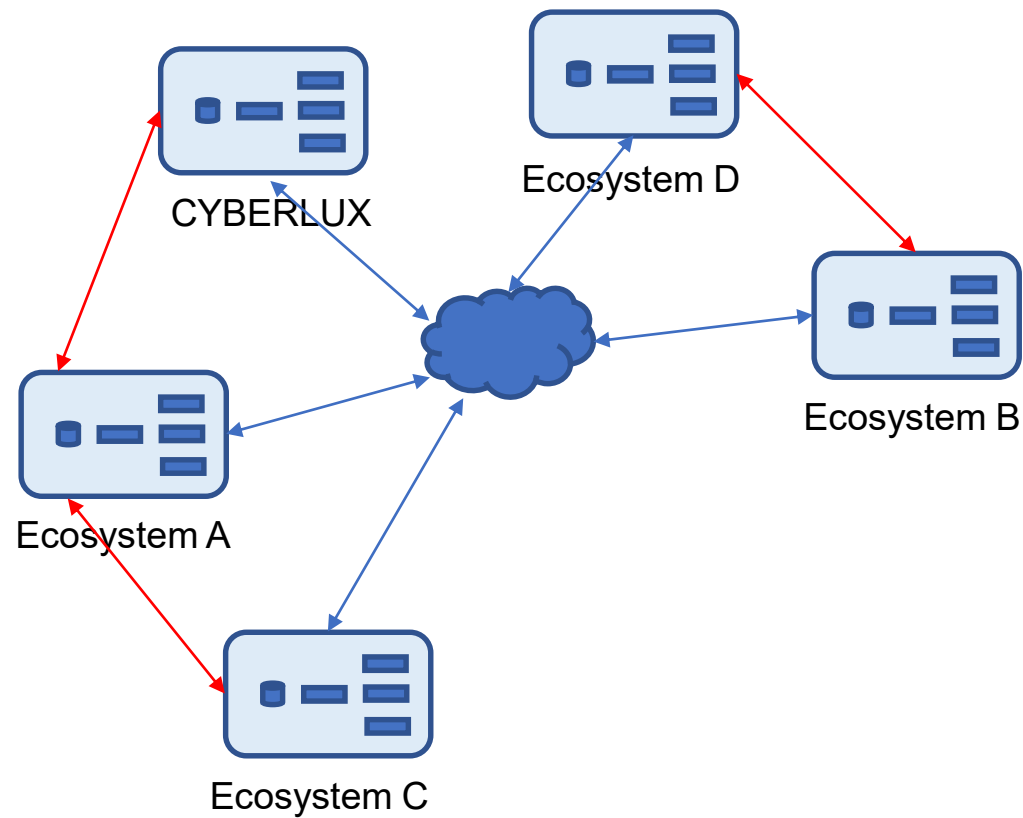


Connecting the ecosystems

Connecting the ecosystems

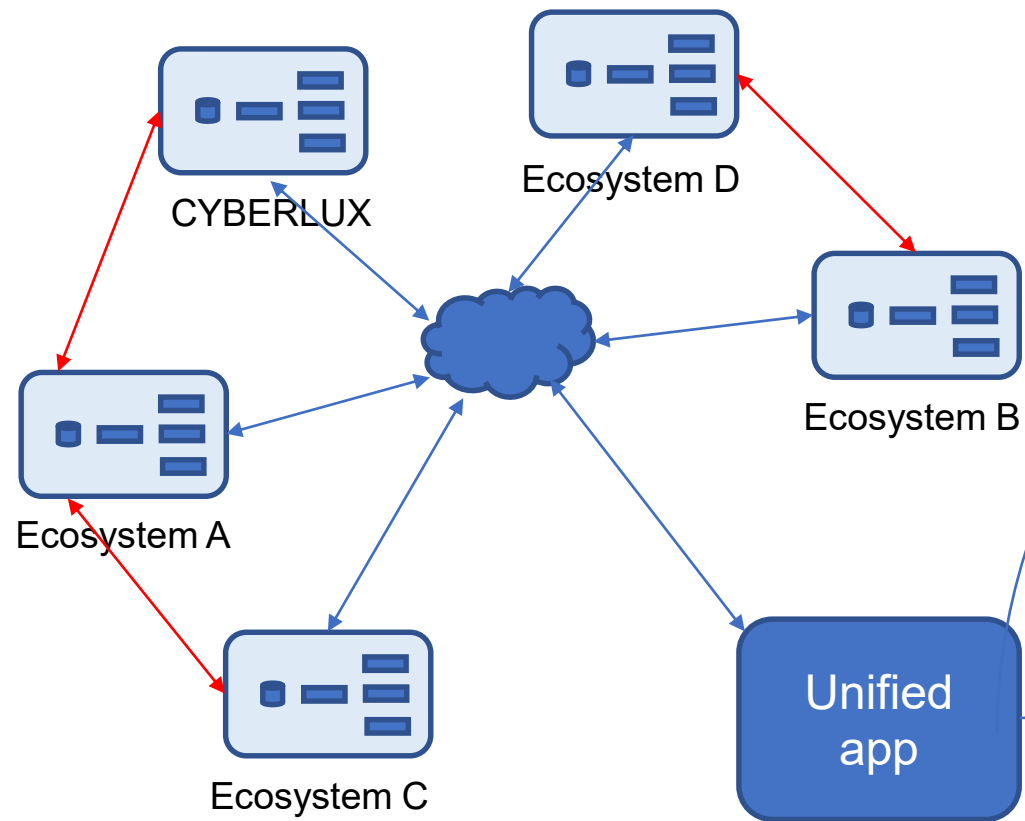


Connecting the ecosystems



- ✓ All the nodes are independently connected to the internet
- ✓ Each node can synchronize objects from another node

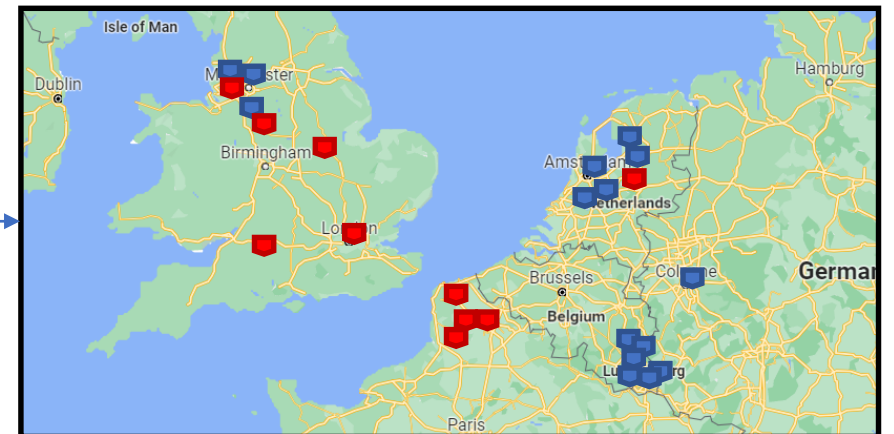
Connecting the ecosystems



Example of research over the whole network

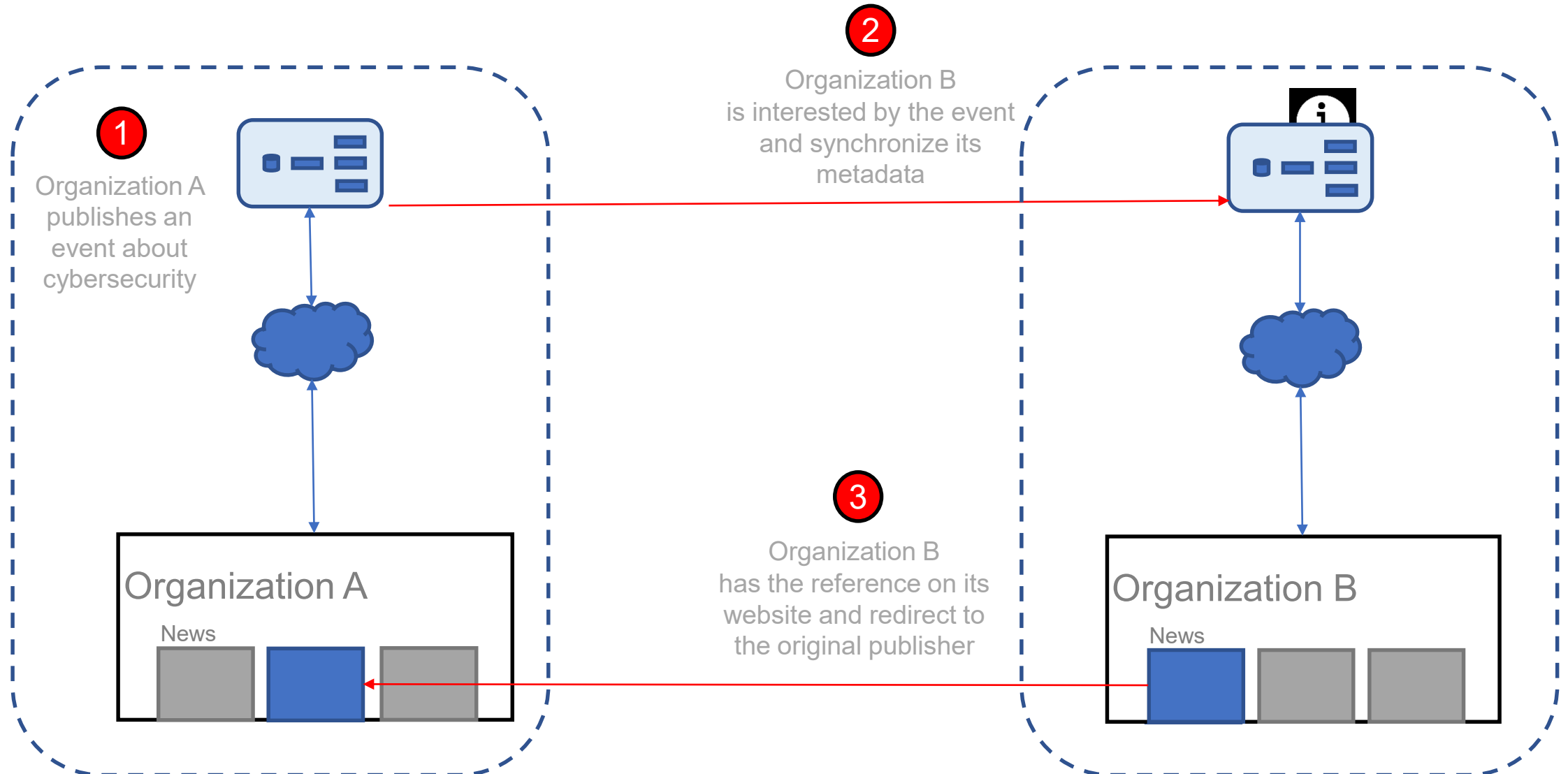


Example of representation of the ecosystems

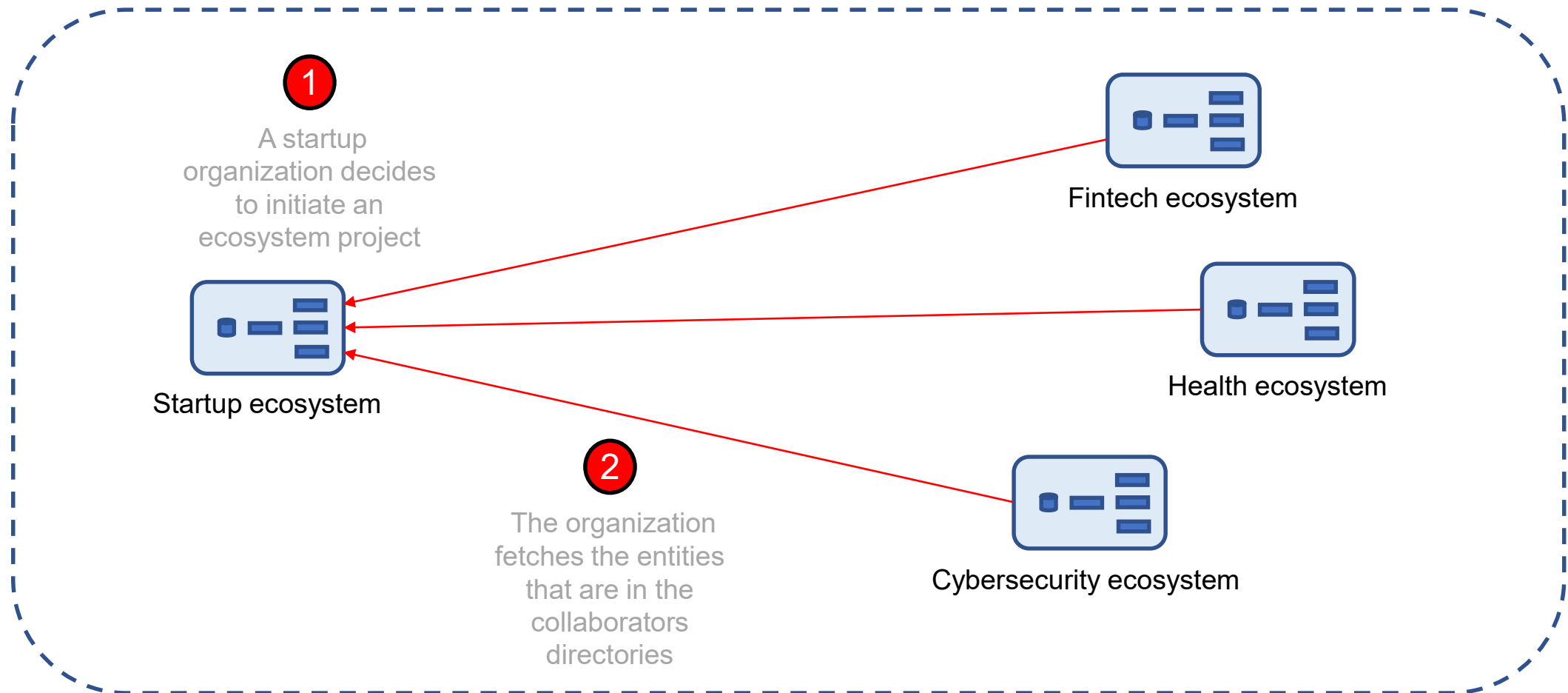


Use cases

Use case 1: Synchronization of a event



Use case 2: Project initiation



Pros of collaboration

Pros of collaboration

- ✓ Build an effective open-source solution
 - ✓ Unify IT development workforce
 - ✓ Share ideas of development
 - ✓ Keep it free and accessible by any tier
- ✓ Build a constructive community
 - ✓ Standardize data format
 - ✓ Share data (entities, articles, taxonomies, ...)
 - ✓ Promote each other
- ✓ Passively help and support new initiatives



openXeco

Open Exchange for Ecosystems

<https://openxeco.org/>

END

Thanks for attention!