



The Once-Only Principle Project

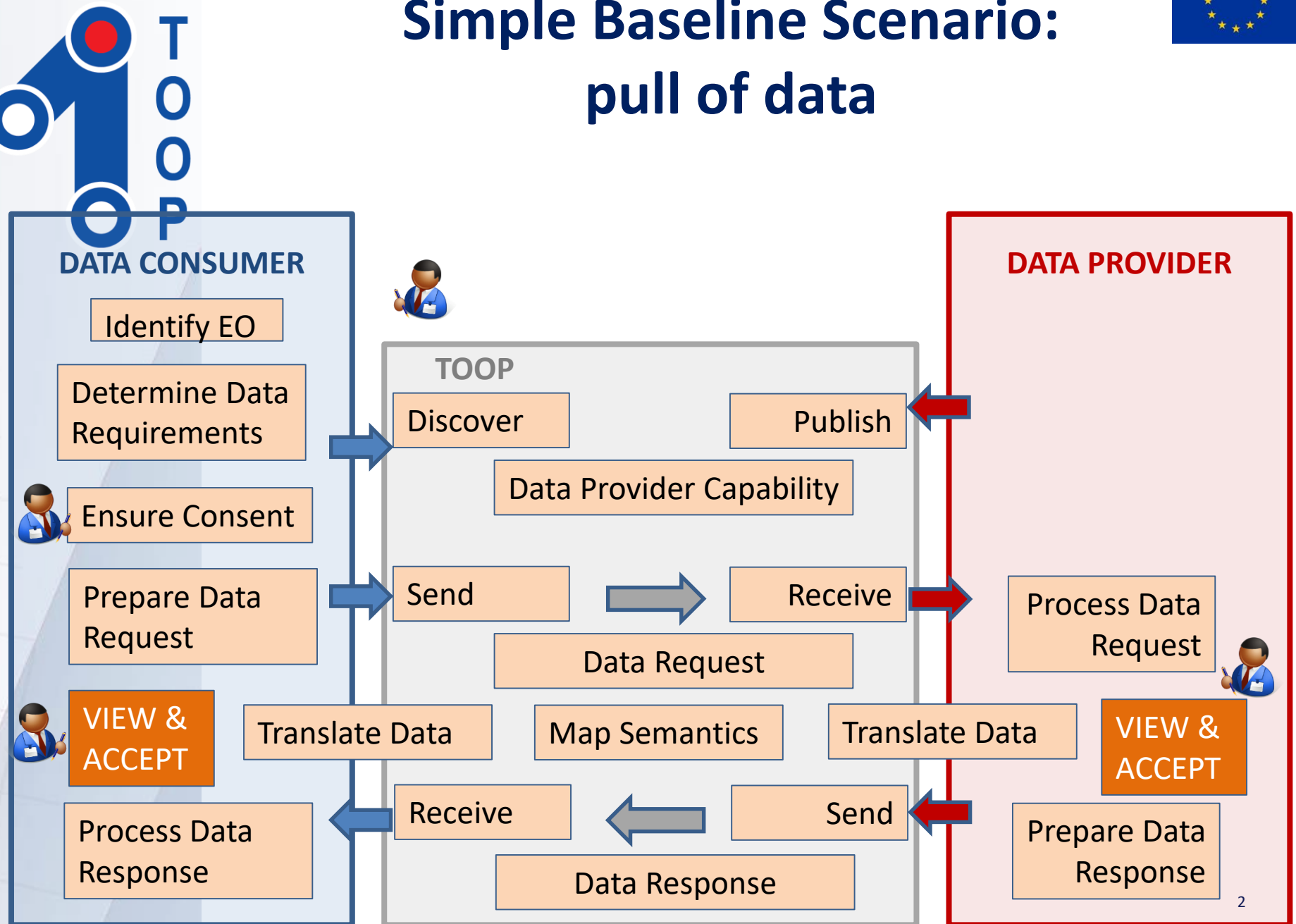
SCOOP4C Workshop: Transparent Citizen by Default?

Dr. Aleksandrs Cepilovs

26 April 2018

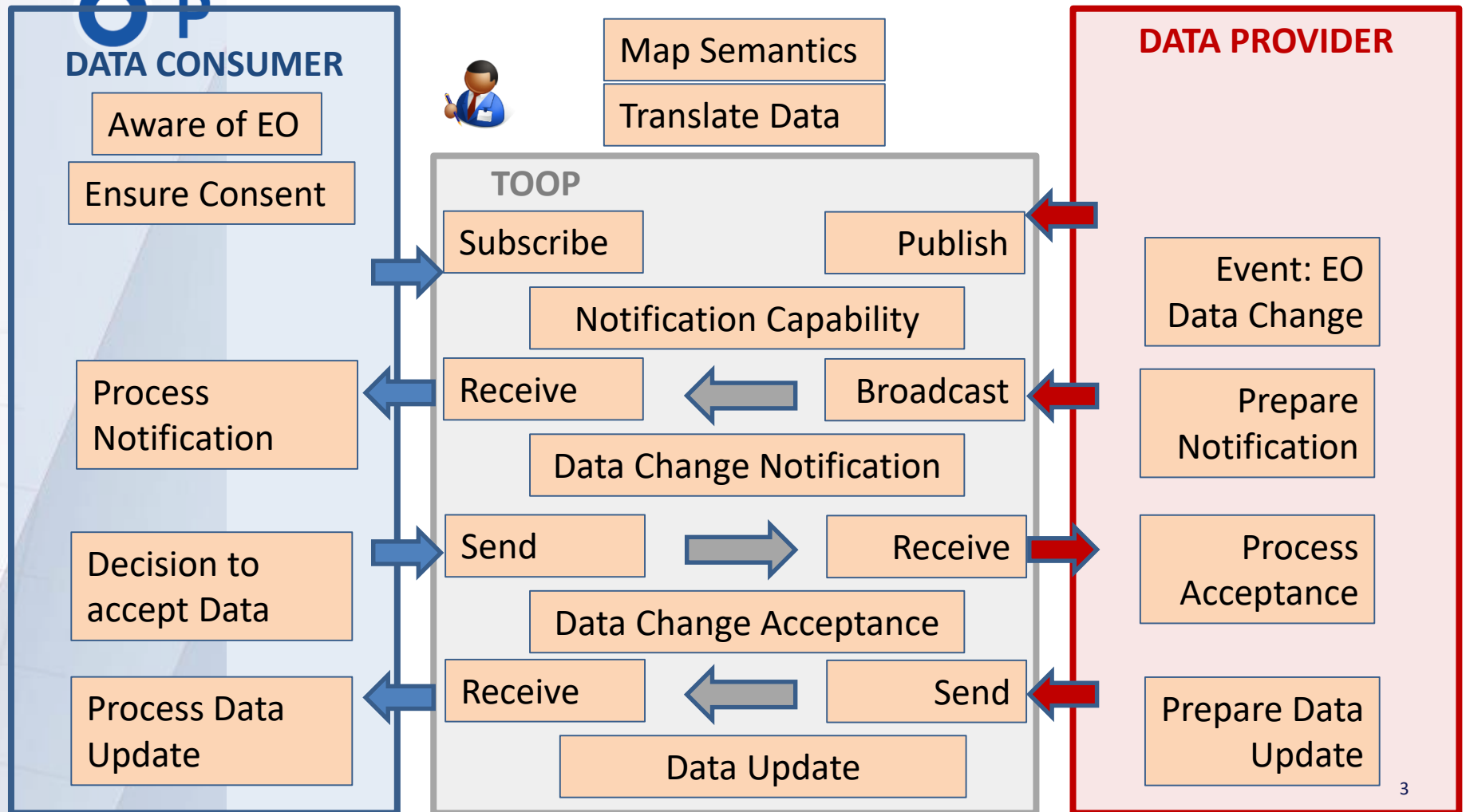
Brussels/Belgium

Simple Baseline Scenario: pull of data





Extended Baseline Scenario: Notify and push





Re-use and enhance existing cross-border EU infrastructure



DATA CONSUMER

Identify EO

Request EO Attributes

Request Company Data



Ensure Consent

TOOP

CEF, ISA

eIDAS infrastructure

Additional Attribute Discovery,
Mandates modelling etc.

Semantic mapping (e.g.
eCertis)

eDelivery infrastructure

OO profiling of Message Exchange,
Dynamic Discovery etcetc.

DATA PROVIDER

Provide EO Attributes

Provide Company Data

The TOOP Playground

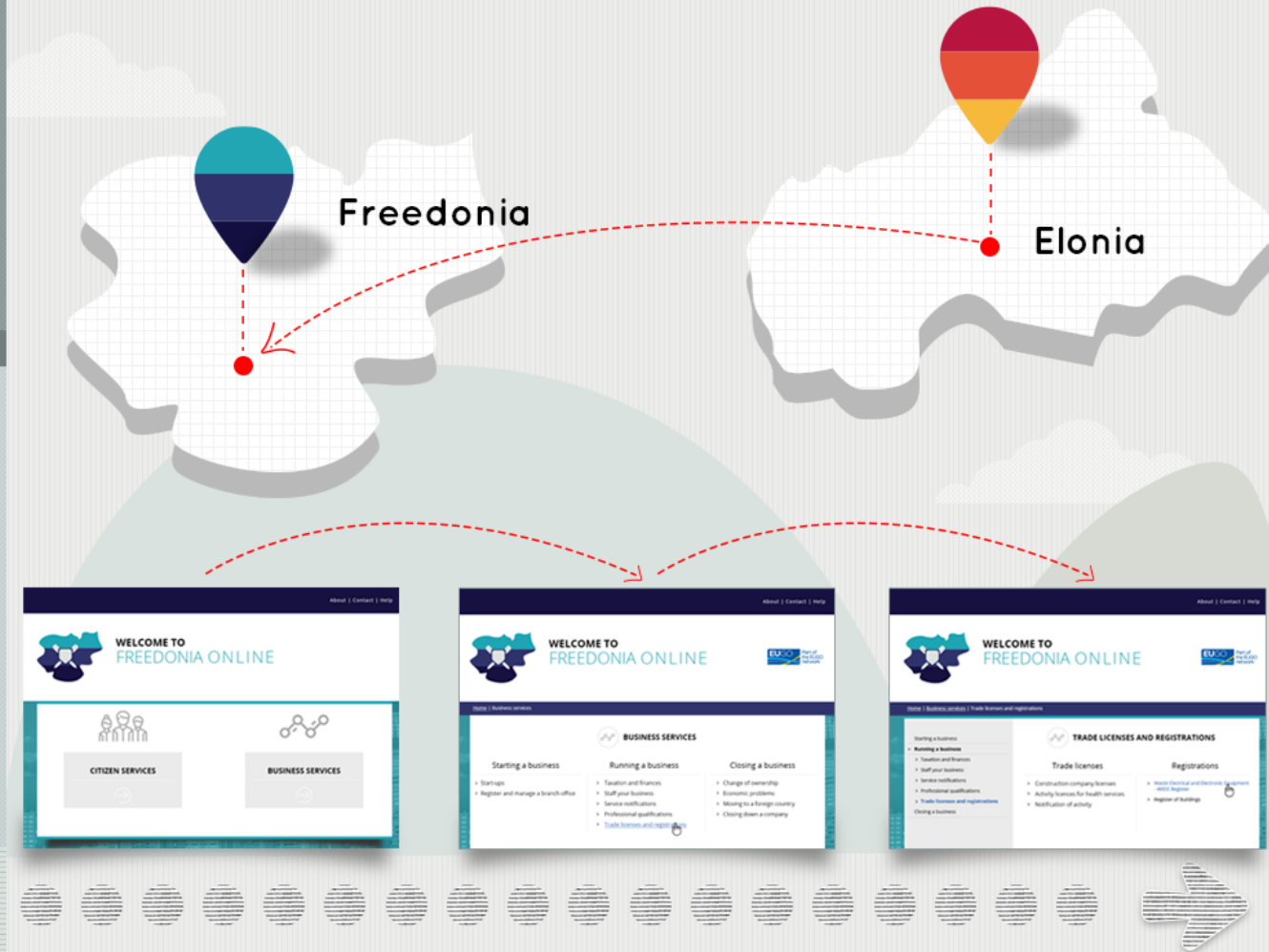
- An environment for developing, testing and deploying components
- Two virtual countries:
 - Freedonia – a full functionality DC
 - Elonia – a full functionality DP
- Used for visualizing the component flow
- Used for hosting central components during piloting
- To be used for testing MS implementations and verifying compliance

screen 1



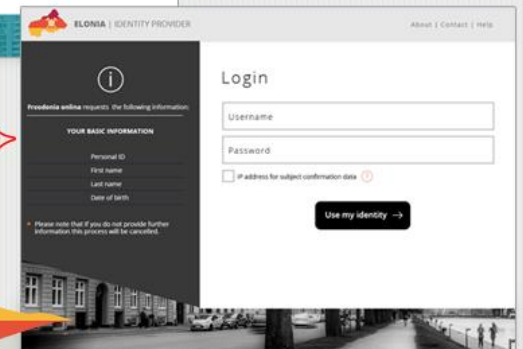
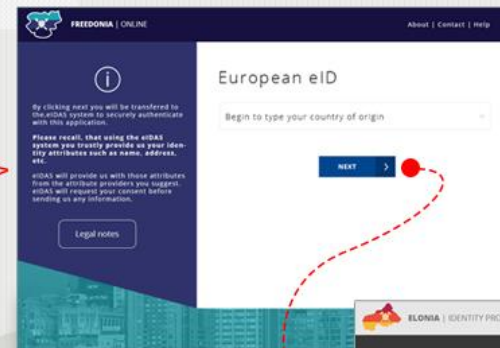
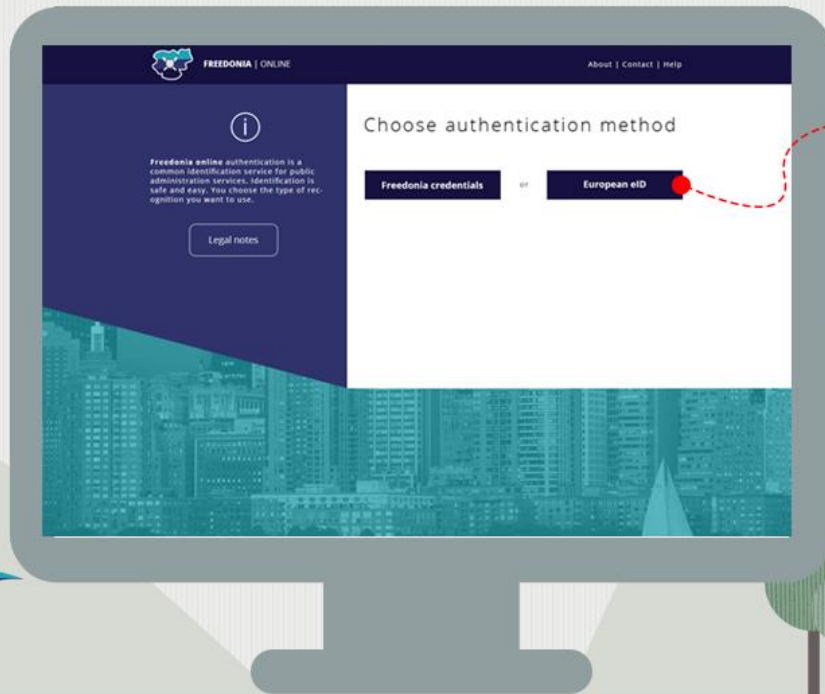
Maximillian is from Elonia, he is the CEO of Zizi Mat Ltd, an electronic equipment manufacturing business.

Zizi Mat wants to expand their trade to Freedonia, they have assigned Max to register with the WEEE environmental data base in Freedonia in compliance with EC regulations.

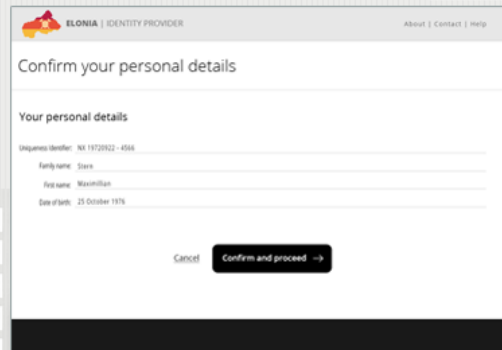


screen 2

Presenting eID Credentials



Elonia eIDAS Node



Elonia | IDENTITY PROVIDER

About | Contact | Help

Confirm your personal details

Your personal details

Uniqueness Identifier: NX 19720922 - 4566

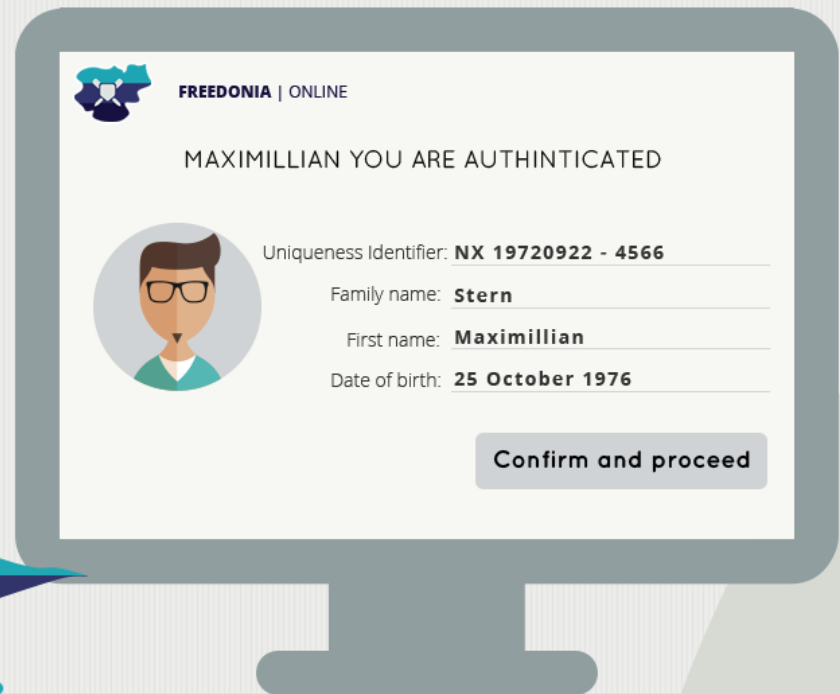
Family name: Stern

First name: Maximilian

Date of birth: 25 October 1976

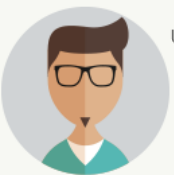
[Cancel](#) [Confirm and proceed →](#)

Maximillian's personal details are confirmed



FREEDONIA | ONLINE

MAXIMILLIAN YOU ARE AUTHENTICATED



Uniqueness Identifier: **NX 19720922 - 4566**

Family name: **Stern**

First name: **Maximilian**

Date of birth: **25 October 1976**

[Confirm and proceed](#)

screen 4

Once-only principle in action



Register with WEEE

Your personal details

Unique identifier: **NX 19720922 - 4586**

Party name: **Stark**

Representative name: **Maximilian**

Date of birth: **21/01/1980**

! If you are the authorised representative of a company registered in the EU, please click the "Get company info" button to automatically fill in the following form.

Get company info >



Consent to retrieve information

Which data will be requested

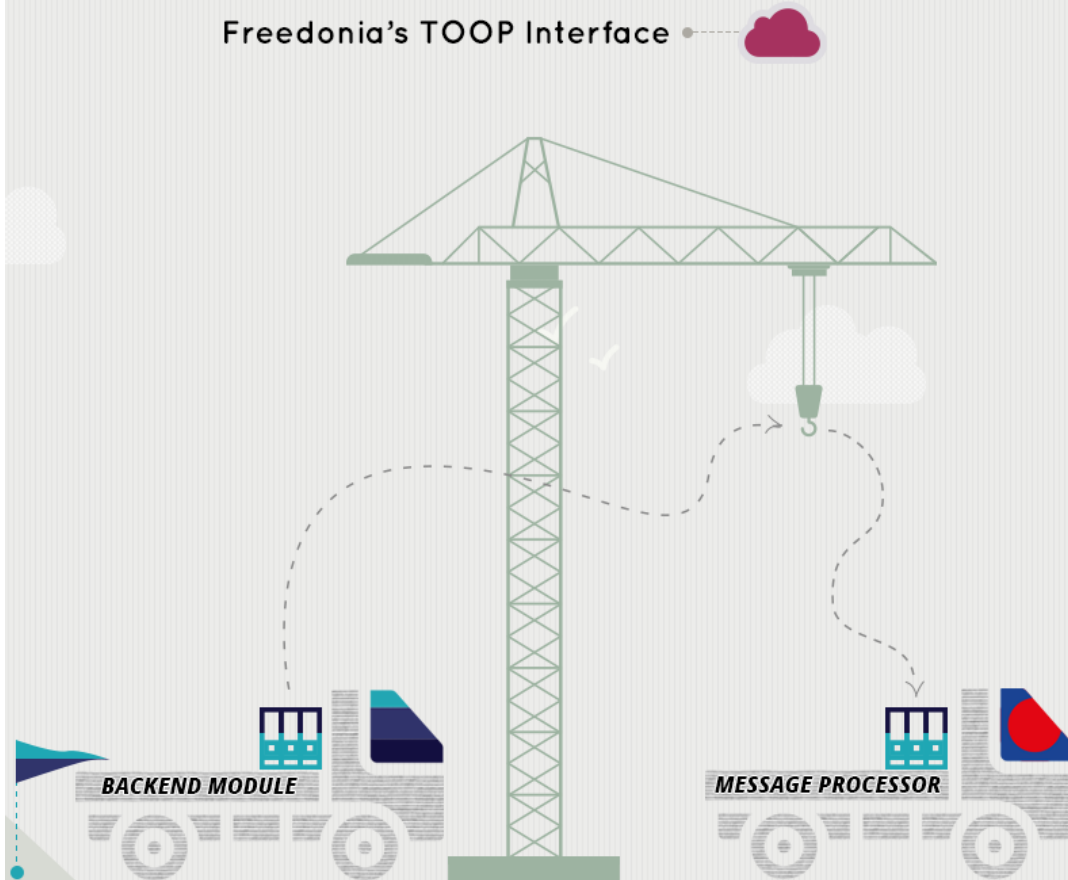
This is will be some kind of legal text, please provide.

By agreeing to proceed the system will retrieve your personal information and form ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

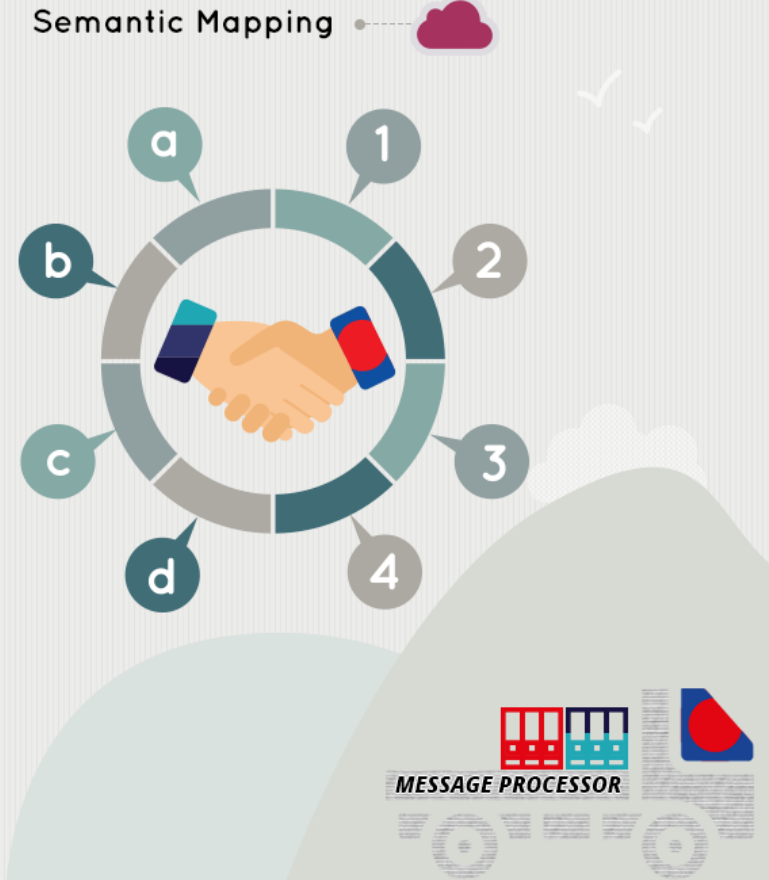
Company details	Company contact information
Company name	Address
Company code	Email
Registration authority	Fax number
Company type	Telephone number
Legal status	
Legal status effective date	
Registration date	
Registration number	
Activity declaration	
Company NACE code	
VAT number	
SS Number	

Edo not agree **I agree >**

Freedonia's TOOP Interface



Semantic Mapping



Data Discovery and TOOP Message Composition

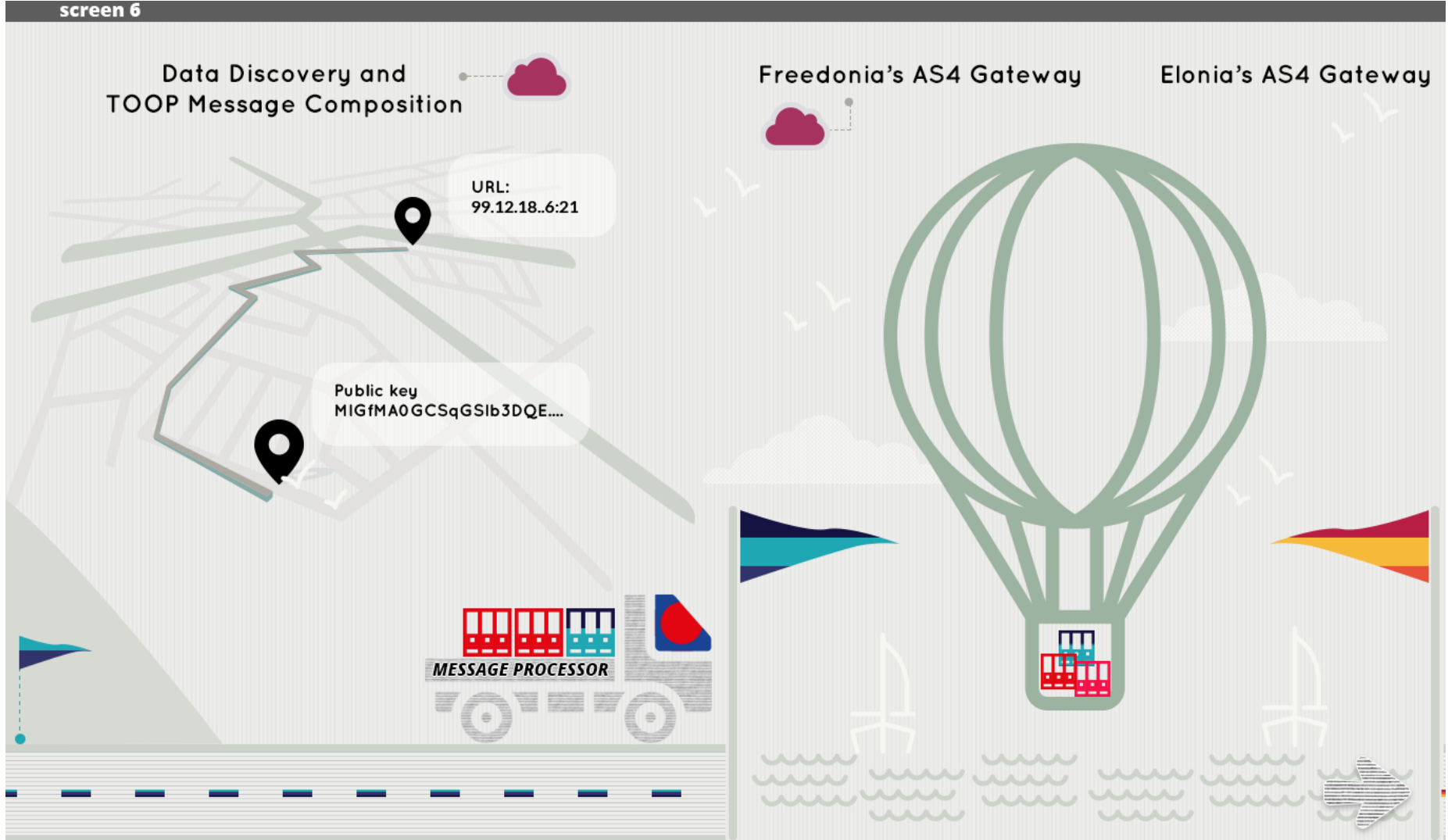
URL:
99.12.18..6:21

Public key
MIGfMA0GCSqGS1b3DQE...

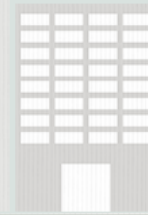
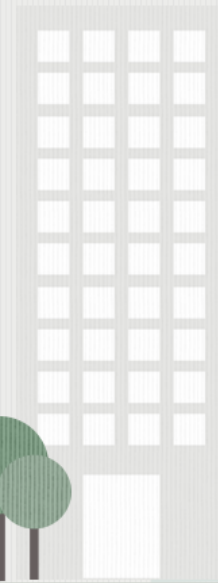
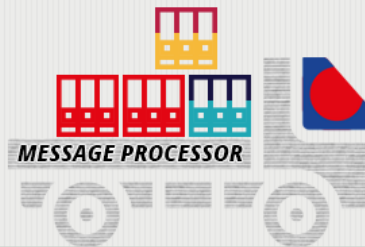
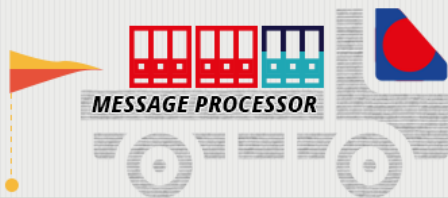
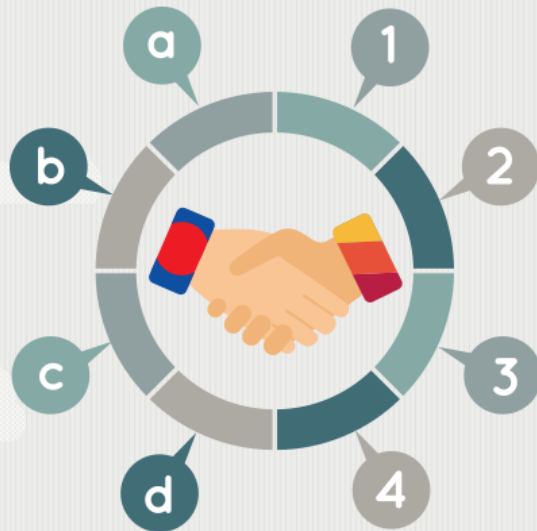
MESSAGE PROCESSOR

Freedonia's AS4 Gateway

Elonia's AS4 Gateway



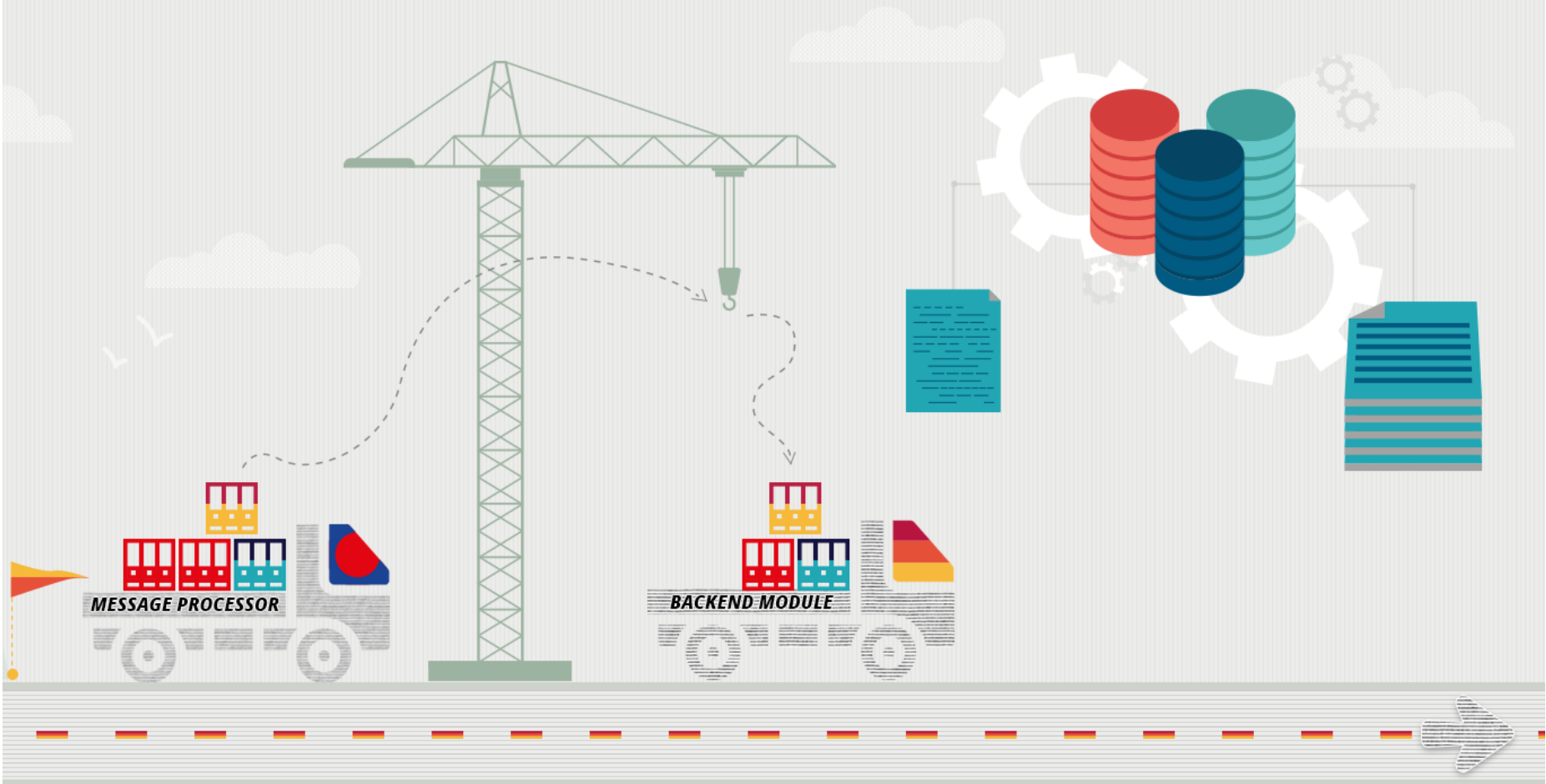
Semantic Mapping



Elonia's TOOP Interface



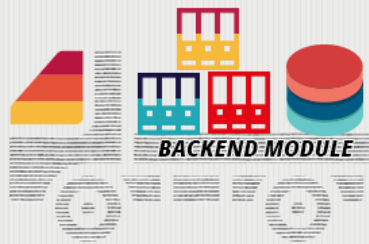
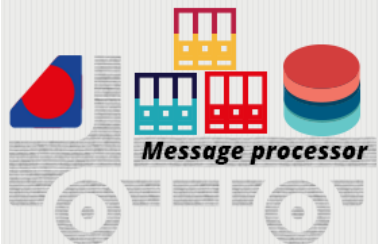
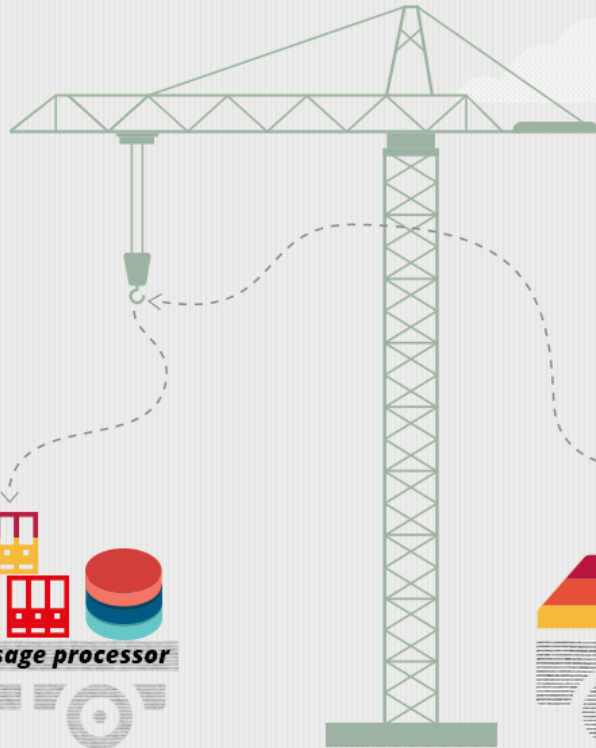
Elonia's Business register



Elonia's TOOP Interface



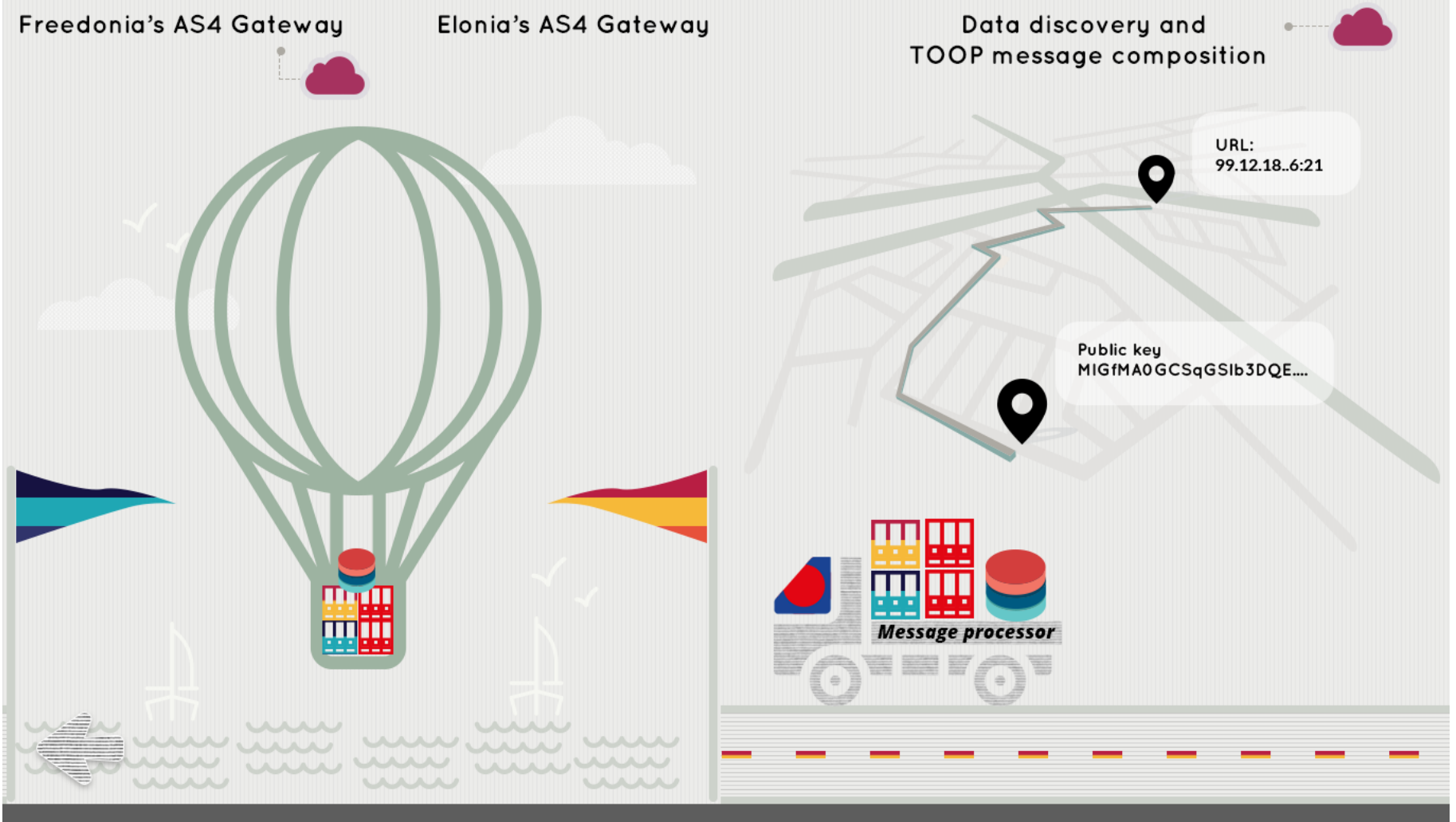
Elonia's Business register



Freedonia's AS4 Gateway


Elonia's AS4 Gateway

Data discovery and
TOOP message composition




screen 11

Preview of retrieved information

 **FREEDONIA** | ONLINE About | Contact | Help

Register with WEEE

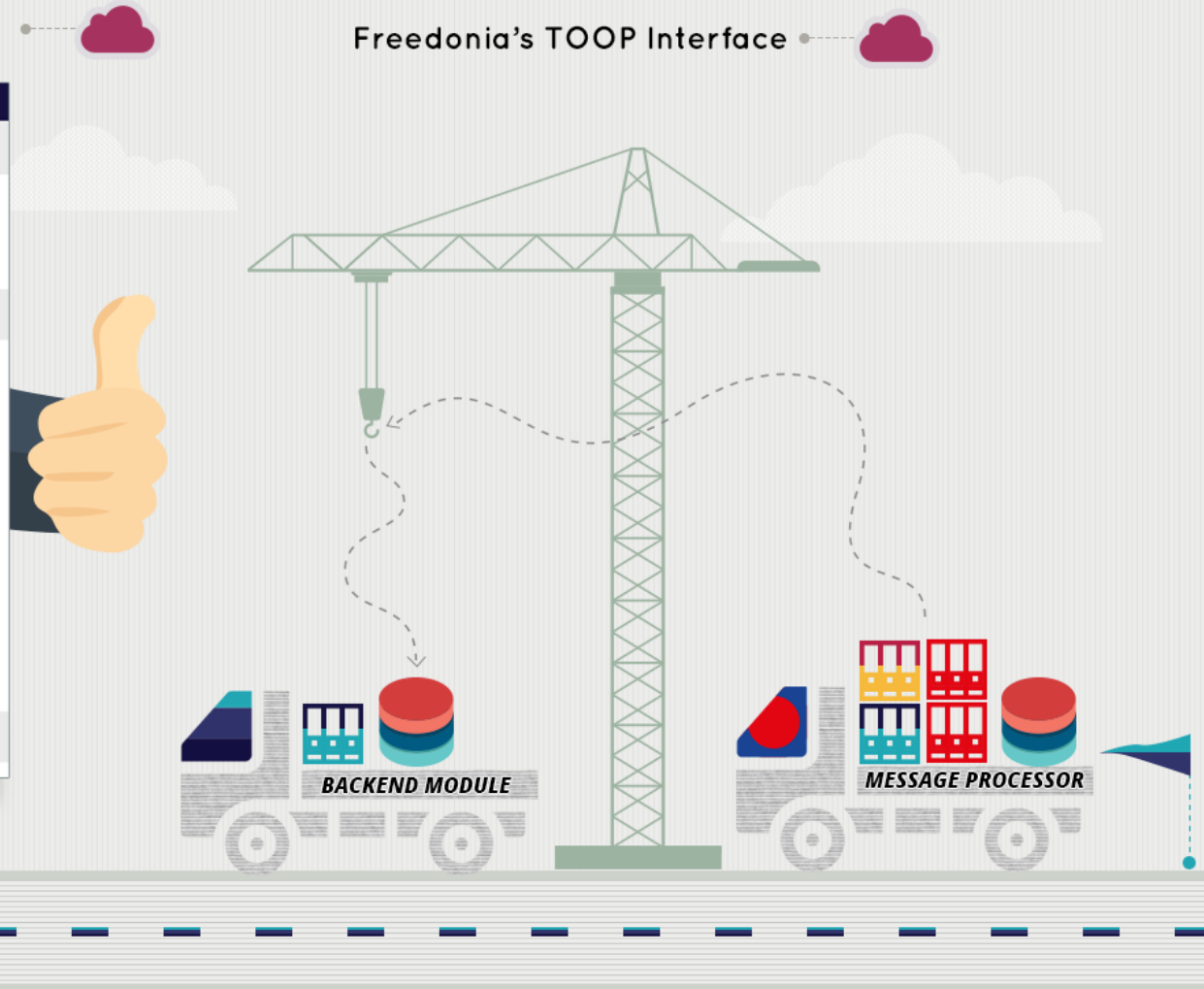
 Elonia has verified that you are a legal representative of the company with the data below. Please preview and confirm that we can use this information in order to register with WEEE in Freedonia.

Company details

Company name:	Zizi mat
Company code:	JF 234556-6213
Registration authority:	Elonia Tax Agency
Company type:	Limited
Legal status:	Active
Legal status effective date:	12 January 2012
Registration date:	12 January 2012
Registration number:	009987 665543
Capital:	220.000 EEK
Activity declaration:	Manufacture of other electrical equipment
Company NACE code:	C27.9
VAT number:	09897656
SS Number:	PKL 0987 6548

Company contact information

Freedonia's TOOP Interface



Additional information

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Register with WEEE

The following additional information is required

Waste disposal process:

Hazardous materials:

Exemptions:

Producer Compliance Scheme:

PROCEED >

Submit completed form

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Register with WEEE

! Review your information before submitting!
Please make sure that the information you have added below and the information retrieved by the system are correct.

PROCEED >

Your personal details

Uniqueness Identifier: **NX 19720922 - 4566**

Family name: **Stern**

First name: **Maximilian**

Date of birth: **25 October 1976**

Additional information

Waste disposal process:

Hazardous materials:

Exemptions:

Producer Compliance Scheme:

Company details

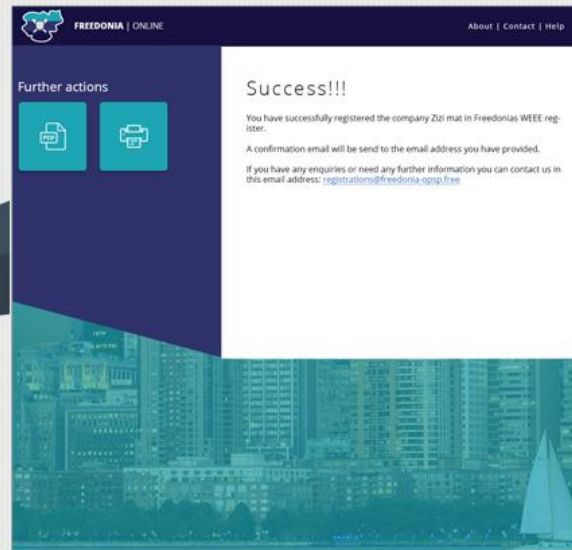
Company name:

Company code:

Registration authority:

Company type:

Job done!





The Once-Only Principle Project

Thank you! Questions?

aleksandrs.cepilovs@ttu.ee