



# **ESCO 1.2** **Ecosystem Integration**

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**parchment**<sup>®</sup>

AN INSTRUCTURE COMPANY



# The ESCO shift

*Changing labour market & education paradigms*

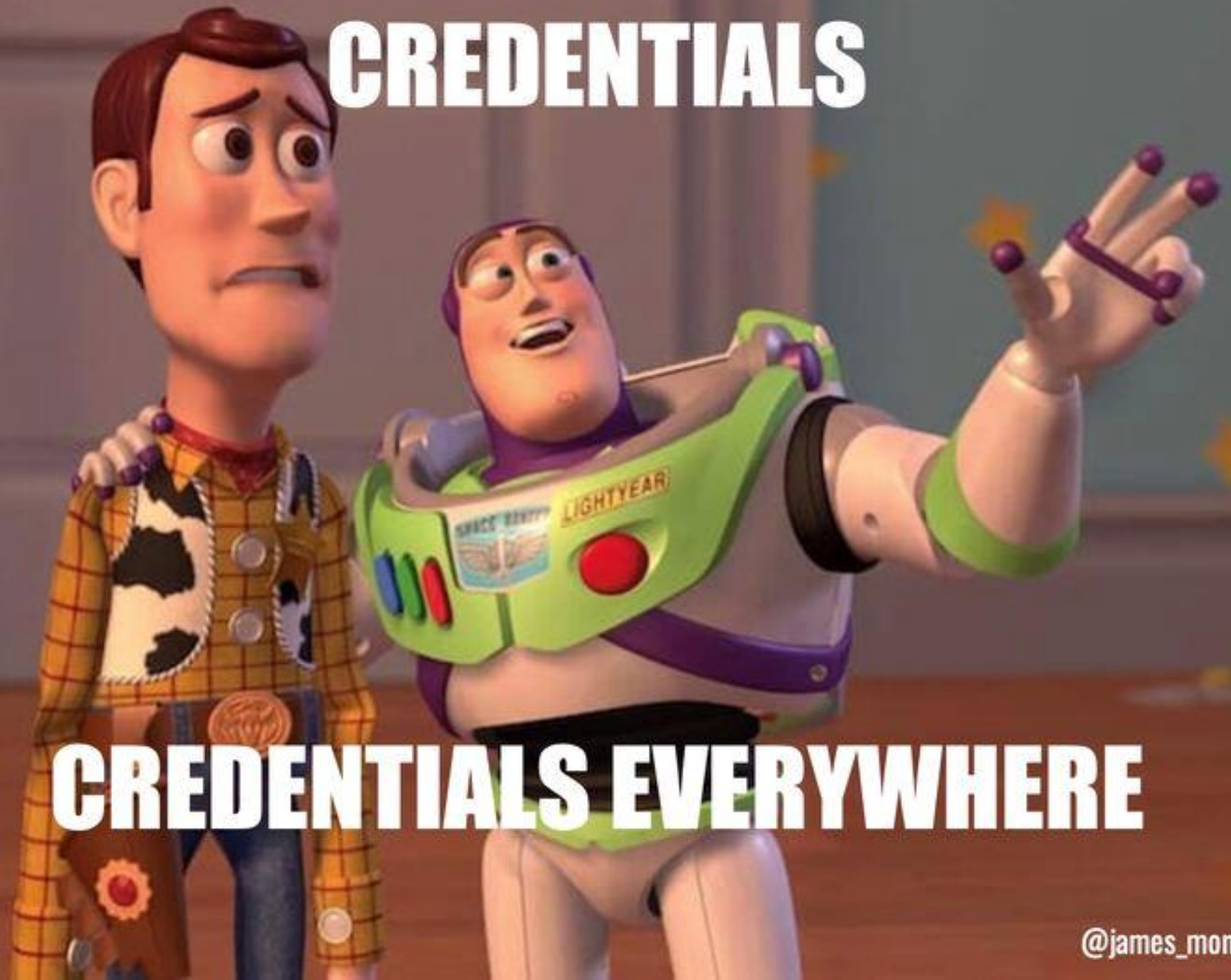
**I'VE GOT SKILLS**

**EUROPEAN  
YEAR OF  
SKILLS**

**THEY'RE MULTIPLYING**

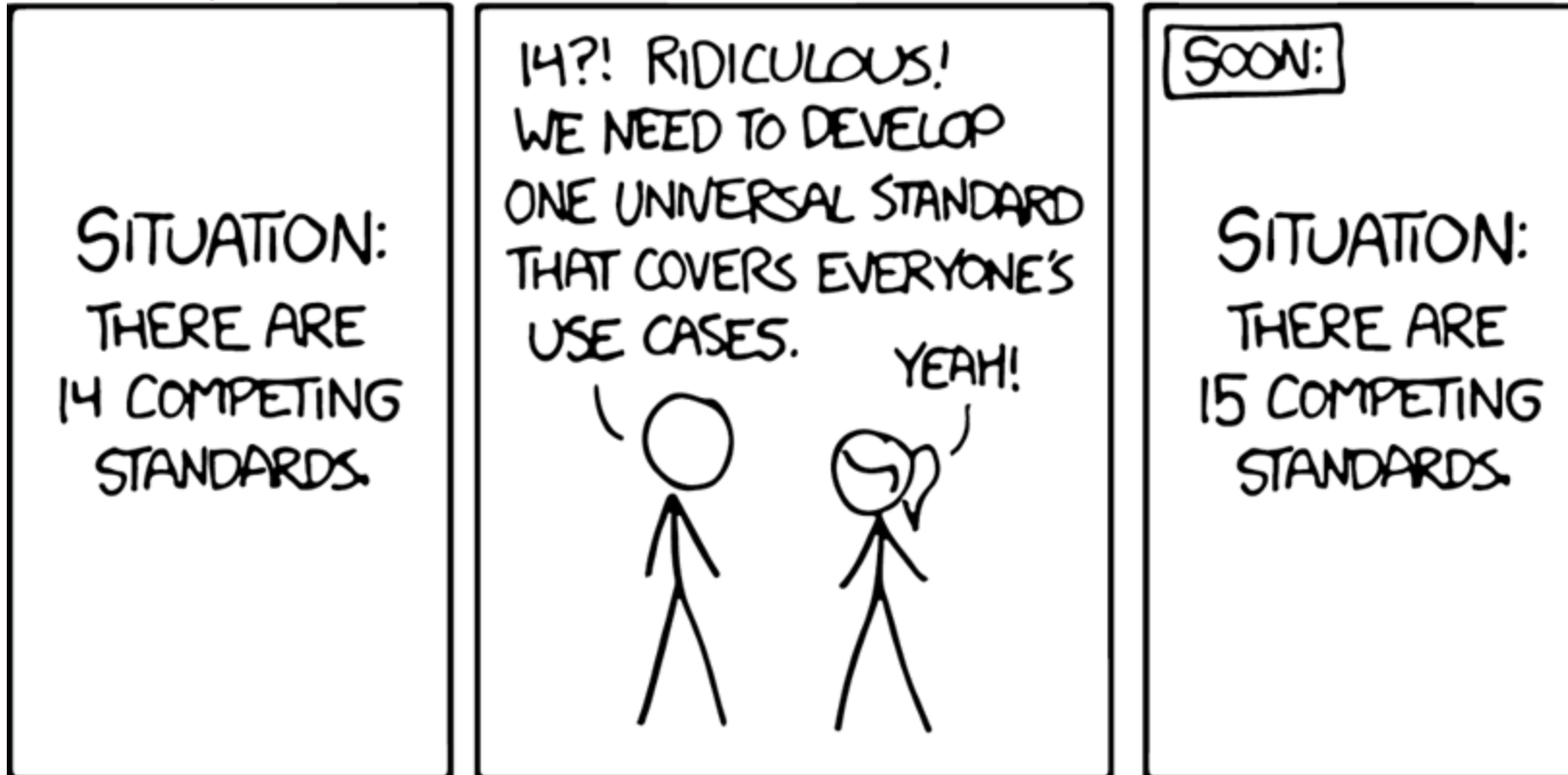


**CREDENTIALS**



**CREDENTIALS EVERYWHERE**

HOW STANDARDS PROLIFERATE:  
(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC)



# #FlywheelEffect

// ESCO + Credentials = Positive Feedback loops w momentum



ESCO helps turning Credentials into Opportunities by

- **Adding overall Quality to credentials**
- **Connecting people to jobs**
- **Streamlining recognition processes**

Quality means additional value along various dimensions:

- **Consistency**
- **Transparency**
- **Comparability**
- **Portability**
- **Interoperability**

As a **Teacher /Instructional Designer** I want to easily tag my course with standard skills definition so I dont have the reinvent the wheel and waste time

*#Credentials #Award*

As a **Credential Evaluator** I want to review achievement claims that are aligned to existing skills frameworks so that I can easily compare them and make better recognition recommendations

*#Credentials #Award*

As **Hiring Manager / Admission Officer** I want to be able to clearly decode the claims of candidates in terms of skills so that I can make a better hiring/enrollment decision

*#Opportunities #Pathway*

As a **Tutor/Coach** I want to know what possible careers pathways my mentees could pursue by looking at the associated skills statements in their credentials

*#Opportunities #Pathway*





## Survey on ESCO Usage in Credentialing Services





Open  
Badge  
Factory



Dashboard Issuer tools **Creator tools** Network Admin tools Reports Help CanCred Admin

## Creator tools / Edit badge / EDGE Information Management

Badge library  
Milestone badges  
Badge applications  
Image library  
Criteria page templates  
Form templates  
Alignments

Previous **1 Content** 2 Message 3 Permissions 4 Issuing 5 Endorsements Next

- Add language - Tip: Admins can edit available languages in Admin tools > Badge languages

English  
Default language  
Remove language English

**Name \***  
EDGE Information Management

**Description \***  
Badge holder has demonstrated one or professional skills standards in Information Management, a key pillar in the EDGE employability program.

**Tags**  
career-readiness, Evidence



**Default expiration time** 0 months

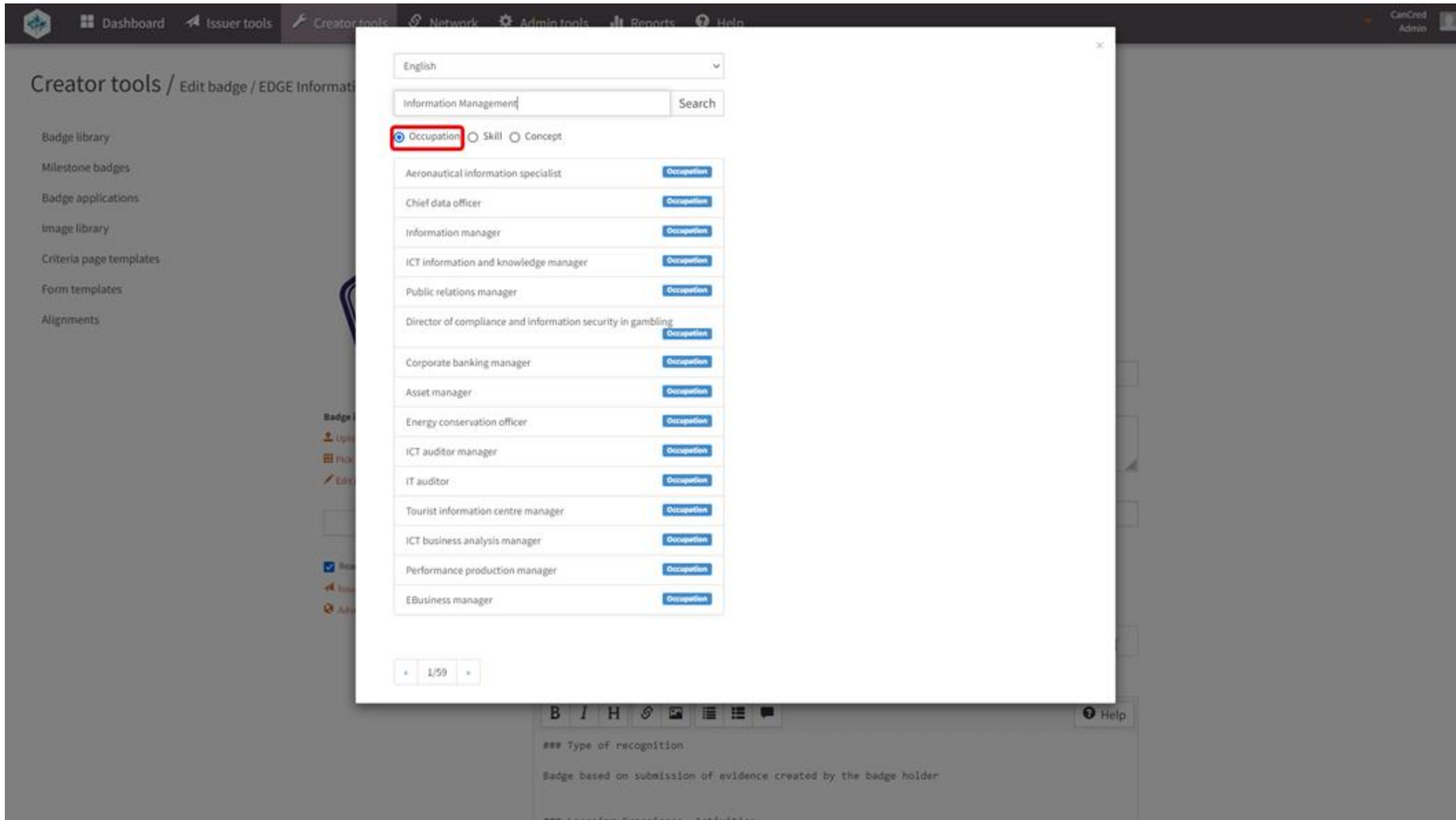
**Alignments**  
Pick saved alignment | Pick from ESCO | Pick from GoFrameworks  
ATC EDGE

**Criteria \***  
B I H [Icons] Help  
### Type of recognition  
Badge based on submission of evidence created by the badge holder  
### Learning Experience. Activities

**Badge image \***  
Upload a file (PNG)  
Pick from library  
Edit image  
Preview

Ready for issuing  
 Issue now  
 Advertise in Passport





The screenshot shows the 'Creator tools / Edit badge / EDGE Information' interface. A search modal is open with the following details:

- Language: English
- Search term: Information Management
- Selected category: Occupation (highlighted with a red box)
- Other categories: Skill, Concept

Occupation	Type
Aeronautical information specialist	Occupation
Chief data officer	Occupation
Information manager	Occupation
ICT information and knowledge manager	Occupation
Public relations manager	Occupation
Director of compliance and information security in gambling	Occupation
Corporate banking manager	Occupation
Asset manager	Occupation
Energy conservation officer	Occupation
ICT auditor manager	Occupation
IT auditor	Occupation
Tourist information centre manager	Occupation
ICT business analysis manager	Occupation
Performance production manager	Occupation
EBusiness manager	Occupation

At the bottom of the modal, there is a pagination indicator: > 1/59 <

The background interface shows a sidebar with 'Creator tools / Edit badge / EDGE Information' and a list of options: Badge library, Milestone badges, Badge applications, Image library, Criteria page templates, Form templates, and Alignments. The main content area shows a rich text editor with the following text:

```
### Type of recognition
Badge based on submission of evidence created by the badge holder
### Learning Experience, Activities
```

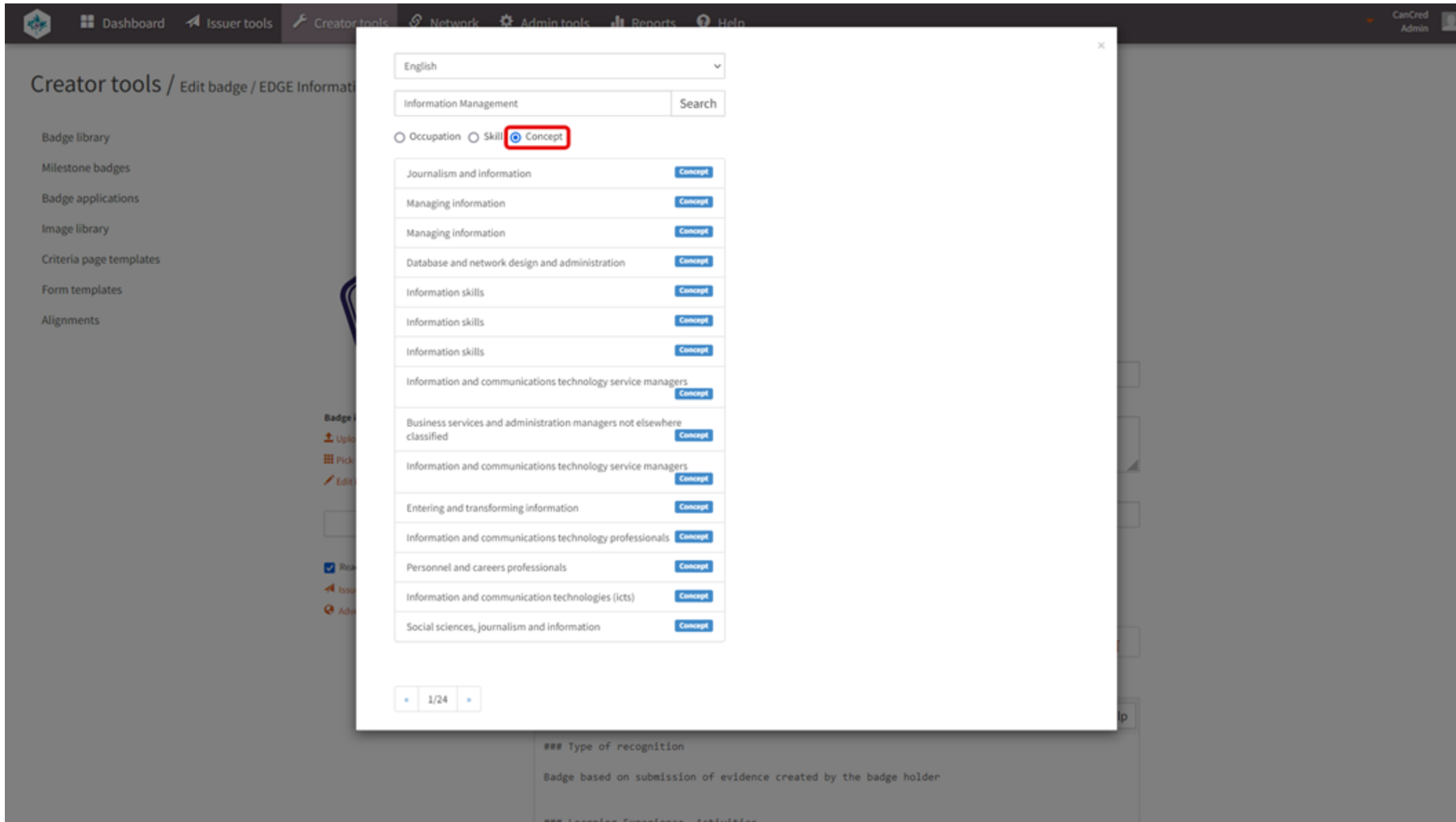
The screenshot shows the 'Creator tools / Edit badge / EDGE Information' interface. A search modal is open, displaying a list of skills. The 'Skill' radio button is selected and highlighted with a red box. The search results are as follows:

Skill Name	Label
Develop information standards	SKILL
Ensure quality of aeronautical information management services	SKILL
Test improved aeronautical information management systems	SKILL
Health records management	SKILL
Maintain up-to-date aeronautical information management services	SKILL
Perform small vessel navigation	SKILL
Inform on safety standards	SKILL
Collection management software	SKILL
Provide self management support	SKILL
Air traffic management	SKILL
Operate dealership management system	SKILL
Provide education management support	SKILL
Make decisions regarding livestock management	SKILL
Simplify communication in maritime management	SKILL
Communicate mine equipment information	SKILL

At the bottom of the modal, there is a pagination control showing '1/150'.

Below the modal, the badge configuration area is partially visible, showing the following text:

```
### Type of recognition  
Badge based on submission of evidence created by the badge holder  
### Learning Experience, Activities
```



The screenshot shows the 'Creator tools / Edit badge / EDGE Information' interface. A modal window is open, displaying a search for 'Information Management' in English. The 'Concept' radio button is selected and highlighted with a red box. Below the radio buttons is a list of 15 concepts, each with a 'Concept' button to its right. At the bottom of the modal, there is a pagination control showing '1/24'.

English

Information Management Search

Occupation  Skill  Concept

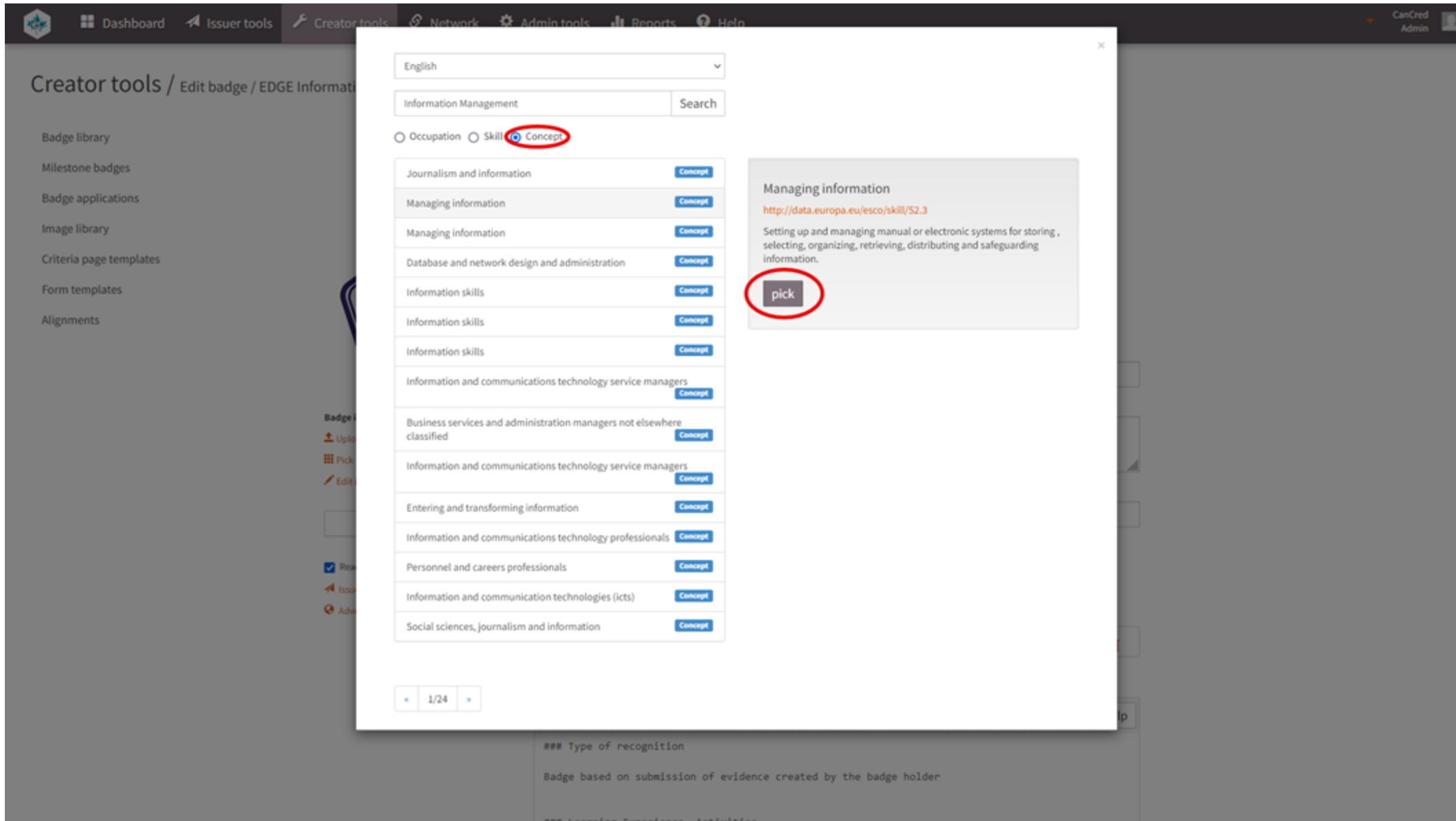
Journalism and information	Concept
Managing information	Concept
Managing information	Concept
Database and network design and administration	Concept
Information skills	Concept
Information skills	Concept
Information skills	Concept
Information and communications technology service managers	Concept
Business services and administration managers not elsewhere classified	Concept
Information and communications technology service managers	Concept
Entering and transforming information	Concept
Information and communications technology professionals	Concept
Personnel and careers professionals	Concept
Information and communication technologies (icts)	Concept
Social sciences, journalism and information	Concept

< 1/24 >

### Type of recognition  
Badge based on submission of evidence created by the badge holder

### Learning Experience, Activities

# “Picking” the concept



The screenshot shows the 'Creator tools / Edit badge / EDGE Information' interface. A modal window is open for selecting a concept. At the top, there is a language dropdown set to 'English' and a search bar containing 'Information Management'. Below the search bar are three radio buttons: 'Occupation', 'Skill', and 'Concept', with 'Concept' selected and circled in red. A list of search results follows, each with a 'Concept' button to its right. The second result, 'Managing information', is highlighted in grey, and its 'pick' button is circled in red. To the right of the list, a detailed view of the selected concept is shown, including the URL <http://data.europa.eu/esco/skill/S2.3> and a description: 'Setting up and managing manual or electronic systems for storing, selecting, organizing, retrieving, distributing and safeguarding information.' The background interface shows a sidebar with navigation options like 'Badge library', 'Milestone badges', and 'Badge applications', and a main area with badge details.

Search Result	Action
Journalism and information	Concept
Managing information	Concept
Managing information	Concept
Database and network design and administration	Concept
Information skills	Concept
Information skills	Concept
Information skills	Concept
Information and communications technology service managers	Concept
Business services and administration managers not elsewhere classified	Concept
Information and communications technology service managers	Concept
Entering and transforming information	Concept
Information and communications technology professionals	Concept
Personnel and careers professionals	Concept
Information and communication technologies (icts)	Concept
Social sciences, journalism and information	Concept

Managing information  
<http://data.europa.eu/esco/skill/S2.3>  
Setting up and managing manual or electronic systems for storing, selecting, organizing, retrieving, distributing and safeguarding information.

pick

## Creator tools / Edit badge / EDGE Information Management

- Badge library
- Milestone badges
- Badge applications
- Image library
- Criteria page templates
- Form templates
- Alignments



### Badge image \*

- Upload a file (PNG)
- Pick from library
- Edit image

Preview

- Ready for issuing
- Issue now
- Advertise in Passport



- Add language -

Tip: Admins can edit available languages in Admin tools > Badge languages

English

- Default language
- Remove language English

### Name \*

EDGE Information Management

### Description \*

Badge holder has demonstrated one or professional skills standards in Information Management, a key pillar in the EDGE employability program.

### Tags

career-readiness, Evidence

Default expiration time 0 months

### Alignments

Pick saved alignment | Pick from ESCO | Pick from GoFrameworks

↑ ↓ ATC EDGE

↑ ↓ Managing information

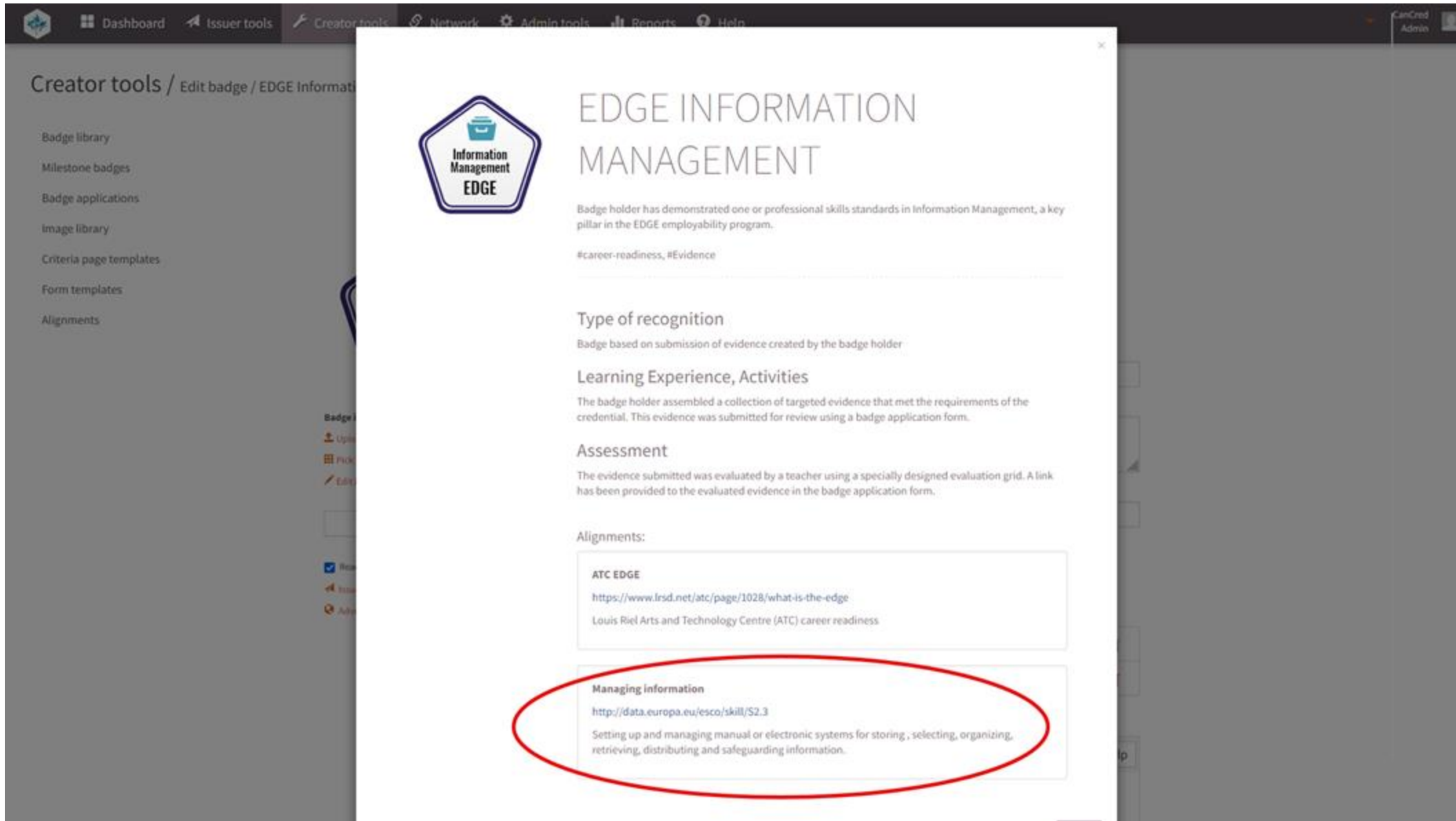
### Criteria \*

**B I H** [Link] [Image] [List] [Table] [Help]

### Type of recognition

Badge based on submission of evidence created by the badge holder





**Creator tools / Edit badge / EDGE Information Management**

Badge library  
Milestone badges  
Badge applications  
Image library  
Criteria page templates  
Form templates  
Alignments

**Information Management  
EDGE**

## EDGE INFORMATION MANAGEMENT

Badge holder has demonstrated one or professional skills standards in Information Management, a key pillar in the EDGE employability program.

#career-readiness, #Evidence

### Type of recognition

Badge based on submission of evidence created by the badge holder

### Learning Experience, Activities

The badge holder assembled a collection of targeted evidence that met the requirements of the credential. This evidence was submitted for review using a badge application form.

### Assessment

The evidence submitted was evaluated by a teacher using a specially designed evaluation grid. A link has been provided to the evaluated evidence in the badge application form.

Alignments:

- ATC EDGE**  
<https://www.lrsd.net/atc/page/1028/what-is-the-edge>  
Louis Riel Arts and Technology Centre (ATC) career readiness
- Managing information**  
<http://data.europa.eu/esco/skill/S2.3>  
Setting up and managing manual or electronic systems for storing, selecting, organizing, retrieving, distributing and safeguarding information.

## < [Mapping your skills](#)



### Mapping your skills

Το InfinityGreece θα βρίσκεται στις 18 και 19 Νοεμβρίου στο Job Festival Θεσσαλονίκης, πραγματοποιώντας την παράλληλη δράση "Mapping your Skills", η οποία θα μας βοηθήσει να γνωρίσουμε τις δεξιότητες μας καλύτερα!

Οι συμμετέχοντες καλούνται να δημιουργήσουν την προσωπική τους SWOT ανάλυση με στόχο να ανακαλύψουν τα δυνατά και τα αδύνατα σημεία τους καθώς και τις ευκαιρίες και τις απειλές που μπορεί να αντιμετωπίζουν στο εργασιακό τους περιβάλλον. Η δραστηριότητα θα τους βοηθήσει να επικεντρωθούν στα δυνατά τους σημεία, να ελαχιστοποιήσουν τις αδυναμίες τους και να εκμεταλλευτούν όσο το δυνατόν περισσότερο τις ευκαιρίες που έχουν στη διάθεσή σας.

Πότε: 18-19 Νοεμβρίου, 10:00-18:00

Που: Συνεδριακό Κέντρο Ιωάννης Βελλίδης

Είσοδος Ελεύθερη!

#### Tasks

Task no.1

Evidence verified by: one activity organiser

#### Interest categories

Personal development

#### Tags

#self-reflection

#self-evaluate

#think critically

#stimulate creativity in t...

#self-awareness

#Identify your strengt...

#evaluate character

#### Activities



### Mapping your skills



# #CredsMaking

// *credentialing Sense-Making*



# #Skills2Job

*// connecting people to jobs, in one click*



# #SkillsCartography

*// Connecting all Skills Frameworks into a SkillsGraph*



# #OpenSkillsGPT

*// AI-Tagging Curricula with ESCO skills*



# #ExperienceU

*// Structured, standards-compliant LERs via AI*

# T3



#REGEN:Mygrants.it

*// AI + ESCO for refugees employability pathways*







The Internet of **ESCO**



AI + EI

=

# Exponential Learning

learning that involves creating new knowledge, through action in the workplace dealing with unexpected situations



Semantic Web + Linked Data

=

Sentient Dotata

Skills are live, intelligent, sentient, and  
transmittant connectors

A grayscale photograph of a desk setup. In the foreground, a silver laptop is closed, with a white mouse to its right. In the background, there are several books, one with 'Symposium' visible on its spine, and a calendar showing the number '18'. A dark horizontal bar with white text is overlaid across the middle of the image.

Computers are useless. They  
can only give you answers.

Pablo Picasso



# **LLM** of **LLL**

**ESCO** is the **grammar** of digital credentials in  
the **Global Language of Skills**.

*a sense-making function for employability and  
enrollment pathways*

# The Internet of **ESCO**