

EDUBADGES

Issuing digital certificates, based on the Open Badges standard, to students in the Netherlands

Ready, Set, GO!

edubadges

Nov 23th, 2020
IMS Europe Summit
Frans Ward

SURF, the collaborative ICT
organisation for Dutch
education and research

SURF

SURF is the
cooperative
organisation
for ICT
in Dutch education
and research

Our mission:
improving the
quality of Dutch
education and
research through
ICT innovation

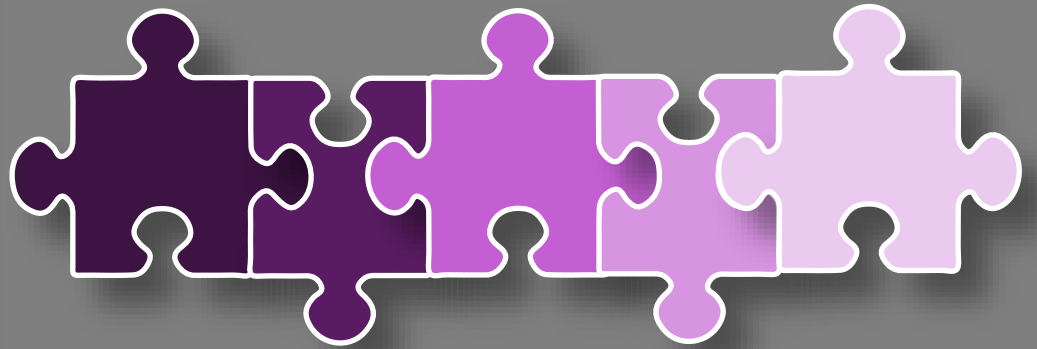


edubadges

Edubadges was developed **with** and **for** Dutch (higher) education.

We are working together in order to issue **digital certificates** in a **standardized way** using the Open Badges standard.

So that edubadges become **comparable, interchangeable** and **stackable**.



WHITEPAPER ON OPEN BADGES AND MICRO-CREDENTIALS



SURF edubadges project 2016-2020

- Can we develop an infrastructure for Dutch educational institutions to award digital credentials to their students in the form of open badges?
- Could this become a sustainable service with significant added value to the education system as a whole?
- Can this make Dutch education more flexible and students and workers more mobile?

LESSONS LEARNED PILOT EDUBADGES

EXPERIENCES WITH DIGITAL BADGES IN DUTCH

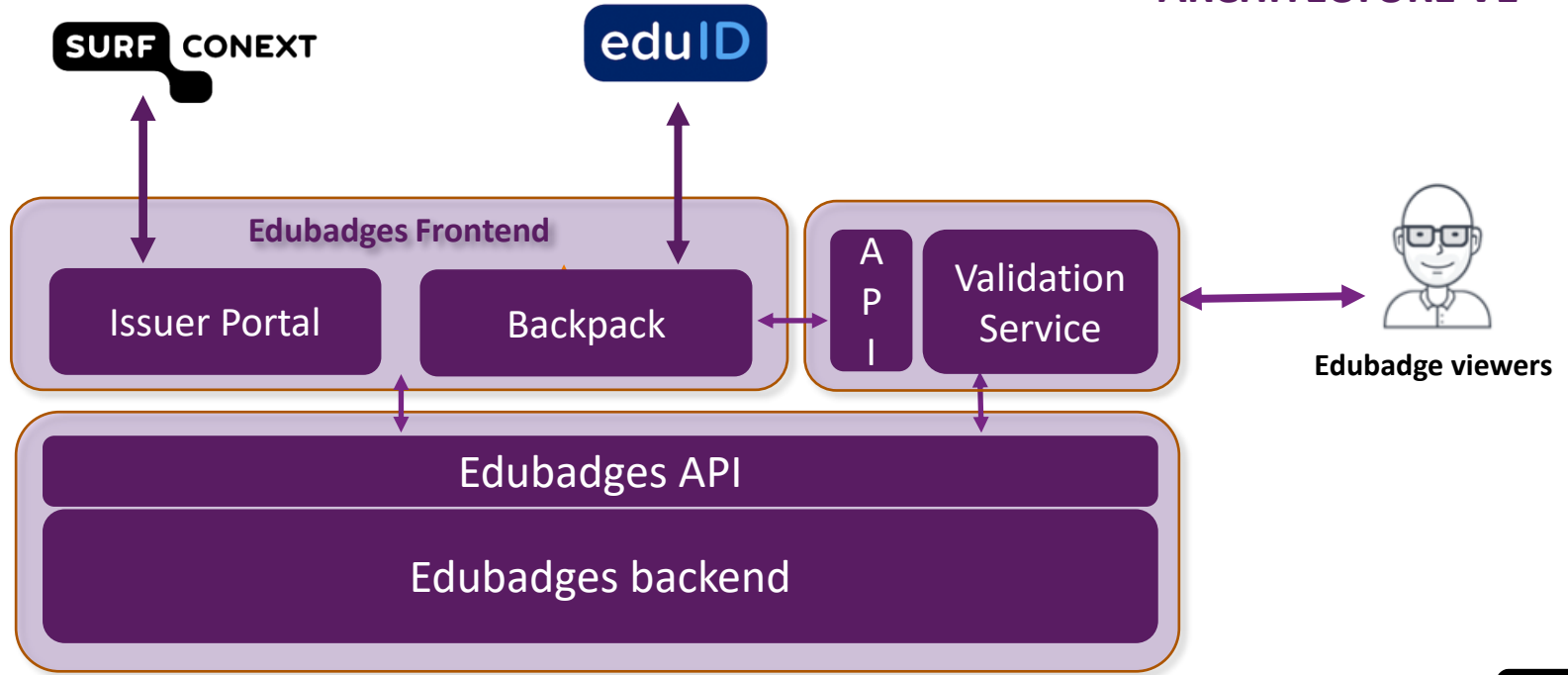


2016: Whitepaper
2017-2018: Proof of Concept
2019-2020: Pilot with 16 institutions
Oct 2020: Service offering for Dutch education



edubadges

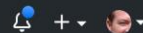
ARCHITECTURE V1





Search or jump to...

Pull requests Issues Marketplace Explore



SURF edubadges

Edubadges is a SURF project. Edubadges are open badges: digital certificates that show that the owner has certain skills or knowledge.

Netherlands <https://edubadges.nl> info@edubadges.nl

Repositories 16 Packages People 8 Teams 1 Projects Settings

Find a repository...

Type: All

Language: All

Customize pins

New

edubadges-validator

Edubadges validator service (aka badgecheck)

Python Apache-2.0 0 0 0 0 Updated now



edubadges-server

Edubadges: A SURF project for Open Badge issuing and management with Django.

Python AGPL-3.0 1 4 0 0 Updated 3 days ago



edubadges-ui

New edubadges frontend code repository

Svelte AGPL-3.0 1 1 0 0 Updated 3 days ago



privacy

Privacy stuff for the Edubadges project

AGPL-3.0 0 0 0 0 Updated 12 days ago



Top languages

Python TypeScript JavaScript HTML Svelte

Most used topics

Manage

edubadges open-badges openbadges surf surfnet

People

8 >



Invite someone

Edubadges software development

- Open source
AGPL-3.0 / Apache-2.0
- Available on github
<https://github.com/edubadges>
- Frontend UI:
Javascript/Svelte
- Backend server:
Python/Django
Based on Badgr code
- Validator server:
Python

SURF

Added 9 Metadata Extensions

Adding European centric metadata extensions and aligning with Bologna tools like the Diploma Supplement

ISSUER

- InstitutionNameExtension
- InstitutionIdentifierExtension
- GradingTableExtension

BADGECLASS

- LanguageExtension (Language of instruction)
- ECTSExtension (Number of European Credit Transfer Points)
- StudyLoadExtension (Study load in hours)
- EQFExtension (European Qualifications Framework)
- LearningOutcomeExtension
- EducationProgramIdentifierExtension

YES! I'm number one!

Should we explain him our country's grading system ?!

Not yet...



Photos by Ben White on Unsplash

<https://wiki.surfnet.nl/display/edubadges/metadata+extensions>



2) NEED PERSISTENT IDENTITY

Characteristics of the eduID



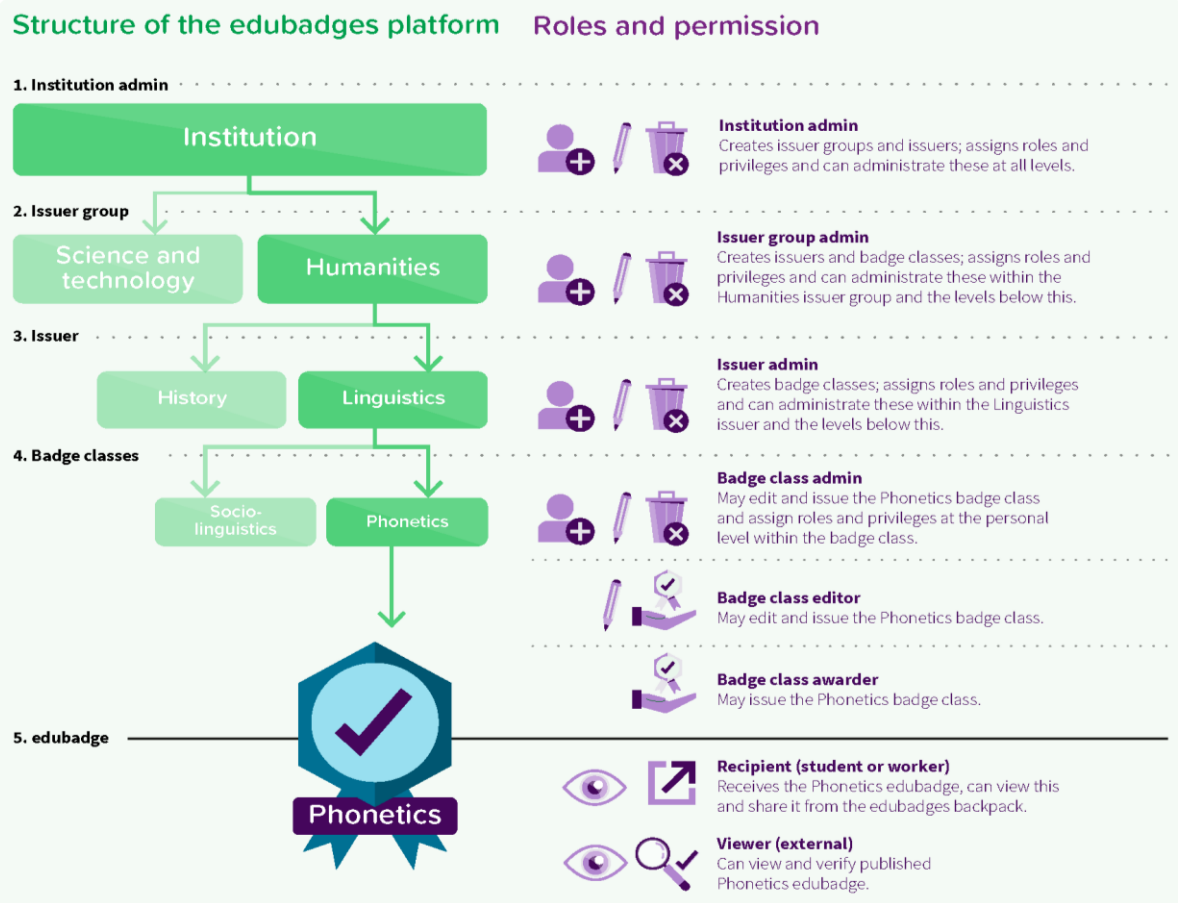
- Identity for students
- Life long usable
- Under the control of the user
- Respects privacy
- Increase level of assurance
- Enriched with attributes from external sources

EXTENDED STRUCTURE

- Need for more levels
- Option to define groups

FINE GRANULAR ROLES AND PERMISSION MODEL

- Institution admin can administer all users within their institution
- Access to the Issuer Portal is by invite only





edubadges

ADDITIONAL SLIDES SHOULD
THERE BE SOME TIME LEFT... ;-)

Never stop learning

Edubadges are digital certificates which show that the owner has acquired certain skills or knowledge. Edubadges can be issued for both accredited education and extracurricular activities.

Where do you want to go?

Backpack

Receive and collect edubadges



Enter with eduID

If you don't have an eduID yet, we'll help you get one. This takes less than 30 seconds

By invite only

Issuer portal

Award edubadges



Enter with SURFconext

Don't have access?
Contact your institution admin

Filter badge classes

Issuer groups

Campus Development - eduServices (2)

Issuers

SURF - Team edubadges (2)

Badge classes in SURF




In SURF, education and research institutions work together on ICT facilities and innovation in order to make full use of the opportunities offered by digitisation. In this way, together we can make better and more flexible education and research possible.

Created	Admin
Oct 1, 2020	Frans Ward (+2)


Edubadges you can award | **All edubadges**


Sorting: **Most recent** ▾



Example BadgeClass


Edubadges Example BadgeClass

Issued by  SURF - Team edubadges
(Campus Development - eduServices)



Ready, Set, GO!

Edubadge account complete

Issued by  SURF - Team edubadges
(Campus Development - eduServices)



Add new badge class

Basic information

Edubadge image

No file selected

Upload image

Image must be in .png format, contain at least 90x90 pixel and have a maximum size of 256 KB.

Name

(Required field) e.g. Renaissance

Description

(Required field) e.g. Political influence of the Church during the Renaissance

Issuer

SURF - Team edubadges

Criteria for this edubadge

What are the requirements to qualify for this edubadge?

(Either criteria or criteria URL is required) e.g. online multiple choice exam

Default expiration settings

Never

After

1

Years

Language of instruction

English

Learning outcome

e.g. is able to read and interpret ancient sources as well as modern texts, and demonstrates a good overview of the important developments of this time period.

Study load

Type of study load

Credit points (according to ECTS)

Number

-

2,5

+

Whole and half points only.
A minimum of 0.5 points is required.

Educational identifiers

Programme Identifier

e.g. 12111990

Consult the [DUO CROHO register](#) or the [SBB CREBO lists](#) if you don't know the code.

NLQF level

EQF 6

Check https://www.nlqf.nl/images/English2015/NLQF_levels_English_description_2020.pdf for help

Related educational framework

Name

e.g. history

Framework

e.g. ESCO

URL

<http://data.europa.eu/esco/skill/2b22f3b1-5de4-43f9-b6d1-b20f65871268>

Code

2b22f3b1-5de4-43f9-b6d1-b20f65871268

Description

e.g. The discipline that studies, analyses and presents the events of the past related to humans.

Cancel

Save

Backpack

Edubadge requests

Profile

Your edubadges

New

Nov 19, 2020



Edubadges Example BadgeClass

Issued by
SURF - Team edubadges
(Campus Development - eduServices)

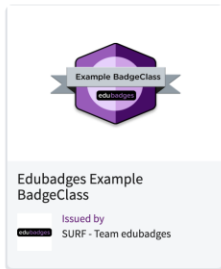
Nov 10, 2020



Edubadge account complete

Issued by
SURF - Team edubadges
(Campus Development - eduServices)

Edubadges Example BadgeClass



Verification

This edubadge was issued to **Frans Ward** on 19 November 2020
It has no expiry date

Verify

Issuer

SURF - Team edubadges

Description

This edubadges badgeclass serves as an example to demonstrate the markdown options in the metadata fields and to give an explanation what to fill in the metadata fields.

h4 Heading

h5 Heading

h6 Heading

Horizontal Rules

Emphasis

This is bold text

This is italic text

~~Strikethrough~~

Blockquotes

Blockquotes can also be nested...

...by using additional greater-than signs right next to each other...

...or with spaces between arrows.

Unordered Lists

- o Create a list by starting a line with '-'
- o Sub-lists are made by indenting 2 spaces:
 - o Marker character change forces new list start:
 - o Ac tristique libero volutpat at
 - o Facilisis in pretium nisl aliquet
 - o Nulla volutpat aliquam velit
- o Very easy!

Verification

- ✓ Issued on 19 November 2020
- ✓ Issued by SURF - Team edubadges
- ✓ Issued using eduBadges
- ✓ Issued to **Frans Ward**
- ✓ Claimed on 19 November 2020
- ✓ Expires on never
- ✓ Verified

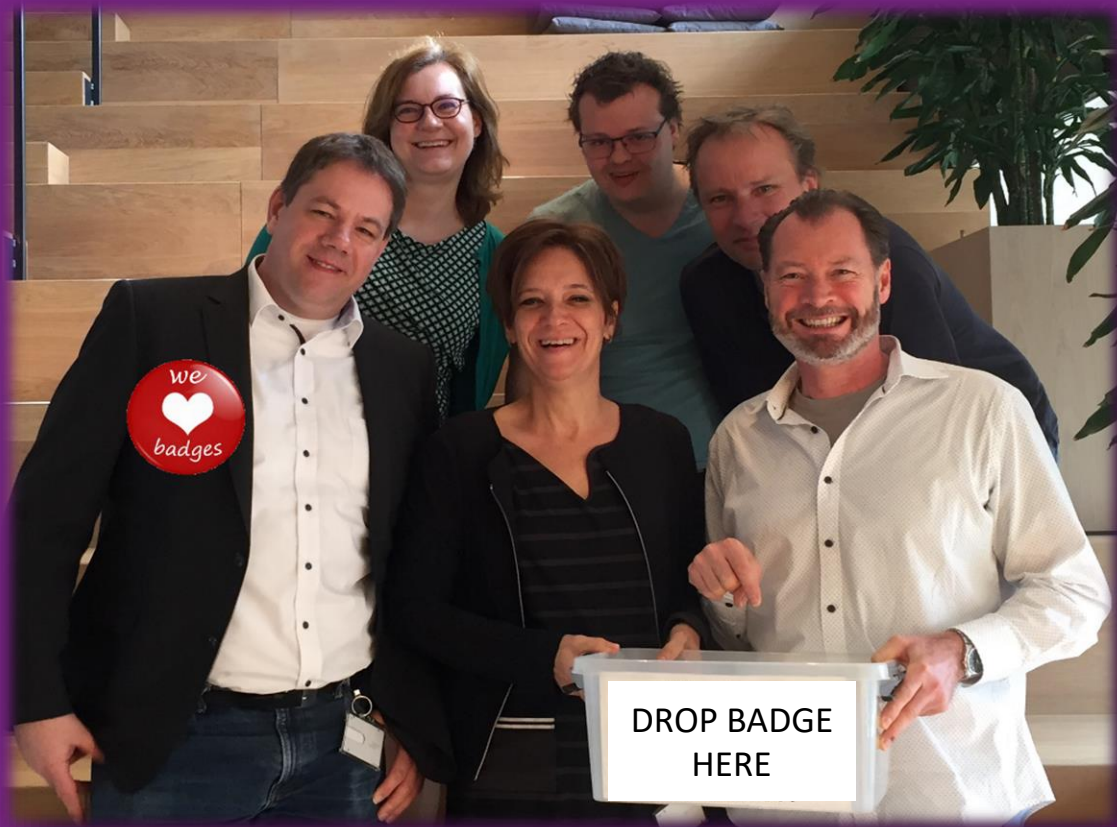
Make this edubadge publicly visible

Are you sure you want to make this edubadge publicly visible?

If you make this edubadge public then your validated name will be displayed in the validation section of the public edubadge webpage.

Cancel

Confirm



Project team Open Badges

info@edubadges.nl



Attribution 4.0 International

CC BY 4.0

