Digital Badges for Accreditation: Exploring the challenges

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College Fraternity Pins

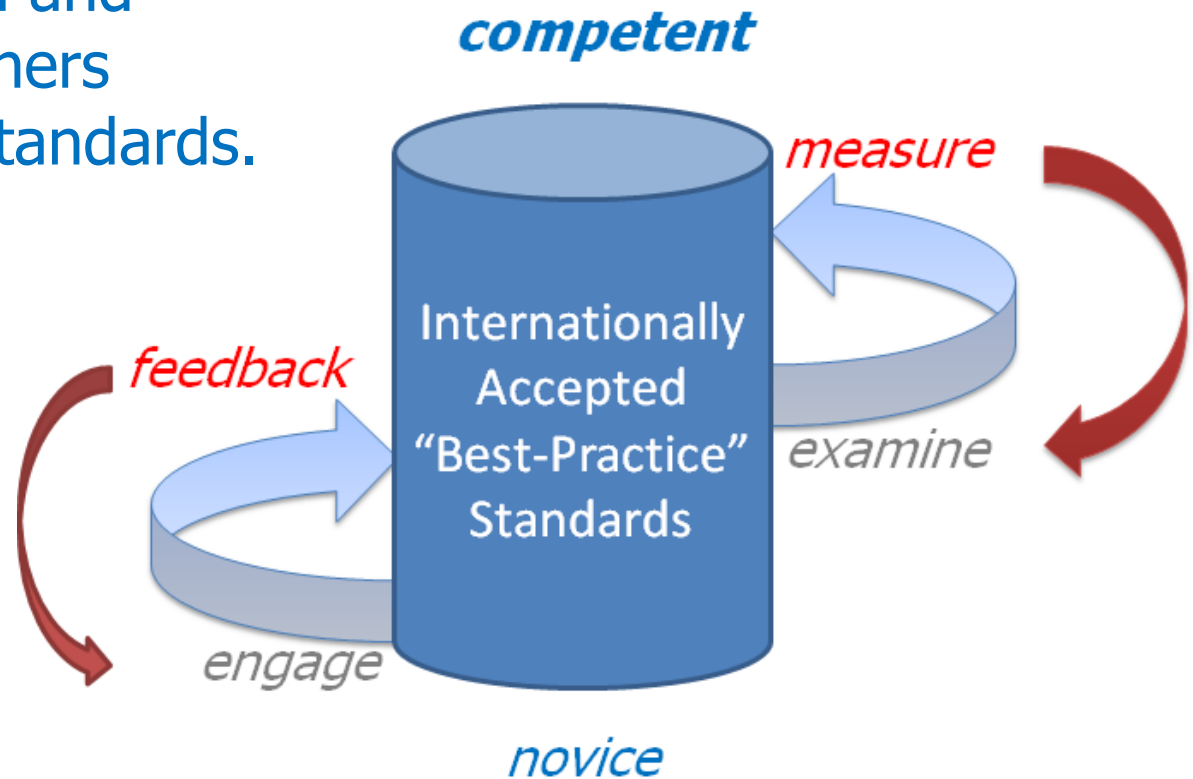"Let me guess, you joined Alpha Delta Dogma."

"Just one old school tie would have done."

Badges

A *badge* is a **validated indicator** of an accomplishment, skill, quality or interest that is linked to an individual.

Curriculum as Competence

Curriculum is concerned with the interaction and progression of learners against identified standards.

Competency-Based Curriculum Orientation

- Experientially based with input from industry, government, and educational providers

- Typically based on identified "core" skills with explicit outcomes (standards) separately assessed/certificated

- Emphasis on learner-centred experience

Left side labels (top to bottom):
- Union Flag
- Gallantry/Meritorious Conduct Awards
- Scout Logo
- Group Name Tape
- Region/County/Area Badge
- District Badge
- Group Badge
- Patrol
- Leadership Stripe
- Partnership Awards
- Chief Scout's Gold Award
- Challenge Badges

Right side labels (top to bottom):
- Group Badge (if worn on scarf)
- Occasional Badge
- Moving-on Award
- Joining-in Awards
- Activity Badges and Staged Activity Badges
- Membership Award

Alderley Edge Scout Group: http://alderleyedgescoutgroup.btck.co.uk/Scouts/Scout%20Badges

Ecosystem

- An ecosystem provides the infrastructure for individual learners to provide a complete picture of **all their achievements** through the display of a collection(s) of artefacts.

- These collections signal achievement to a variety of stakeholders including potential employers, educational organisations, professional and social groups

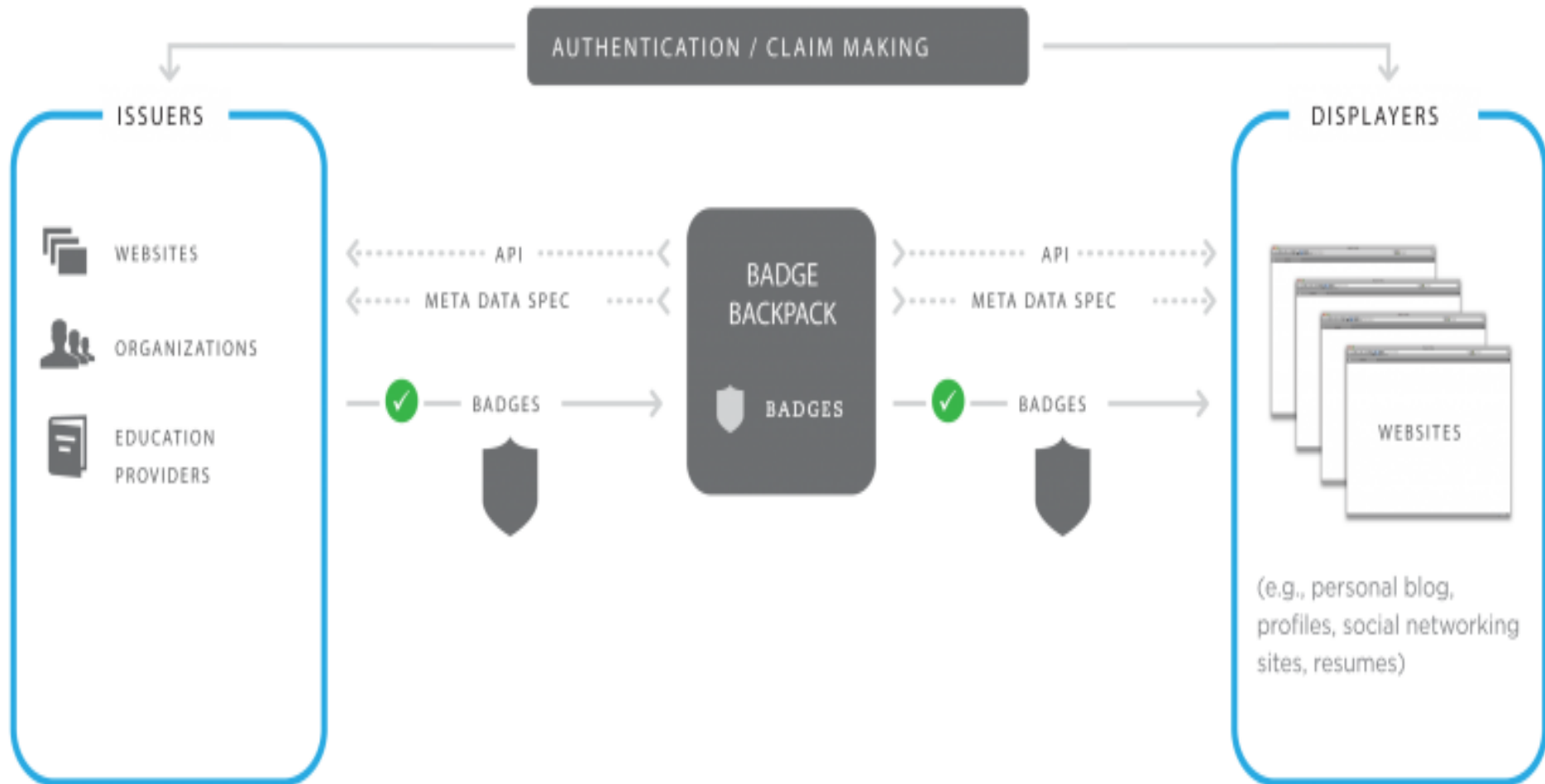# Ecosystem in Agriculture: A Prototype

Course Overview

Delivery

This course is a blended course incorporating self-paced study, asynchronous (nominal time) support and, when required, synchronous (real-time) elements.

- *Self-Paced Study:* All participants will be provided with access to firstly, an e-portfolio in which they will slowly build evidence of their competency, secondly, a generic online training site to help facilitate the construction of this evidence.
- *Asynchronous Support:* A faciliator/mentor will be appointed to answer participants general queries and provide guidance on specific aspects of the course. To effectively track and monitor support provided all requests for support will be e-mail based. The facilitator/mentor will respond to requests within two working days.
- *Just-In-Time Synchronous Workshops:* During the self-paced study, participants will be able to use an online forum to request further training in specific aspects of the course being undertaken. A trained facilitator will use these requests to design "just-in-time" synchronous workshops. These workshops will be scheduled weekly and will use web-conferencing technologies.
- *Industry Scheduled Workshops:* Course co-ordinators will work closely with industry representatives and will inform participants of scheduled workshops in their area that will help them complete course requirements.

http://moodle.isle.ac.nz/login/index.php

MOZILLA OPEN BADGE INFRASTRUCTURE

Mozilla Wiki: https://wiki.mozilla.org/Badges/Onboarding-Issuer

Nursing Skills: Dispensing Medication

ISSUERS

- WEBSITES
- ORGANIZATIONS
- EDUCATION PROVIDERS

Wintec
WAIKATO INSTITUTE OF TECHNOLOGY
Te Kuratini o Waikato

Midland
District Health Boards
www.midlanddhbs.health.nz

Southern Cross
Hospitals

A Registered Nurse completes a training course on dispensing prescriptions within a validated environment.

The nurse meets all the performance criteria identified.

They are awarded a badge in recognition of their skill

BADGE BACKPACK

API — META DATA SPEC — BADGES

BADGES

API — META DATA SPEC — BADGES
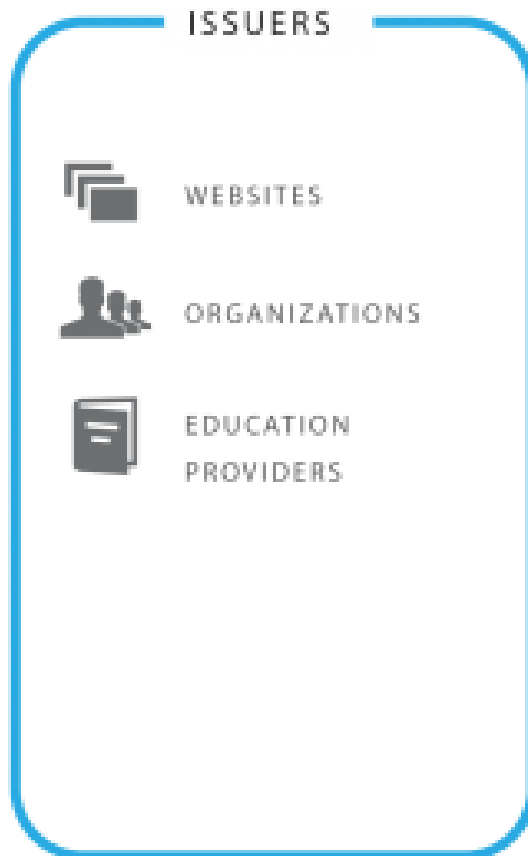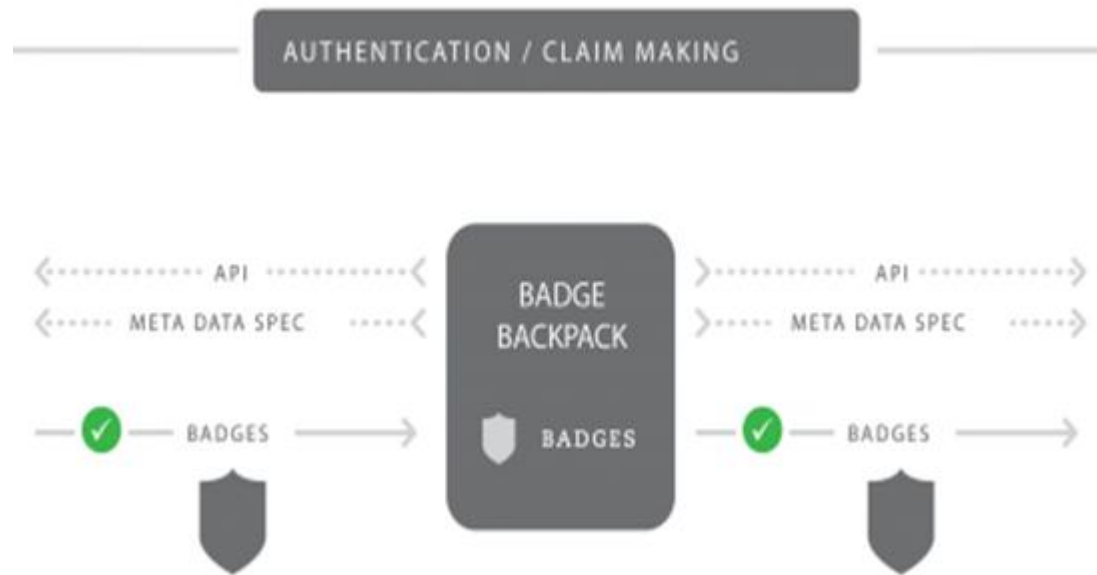
Details of Registered Nurse training record on dispensing medication is sent to a centralised Record of Learning System (RLS).

Meta-data includes date of issue, performance criteria measured and date of expiry
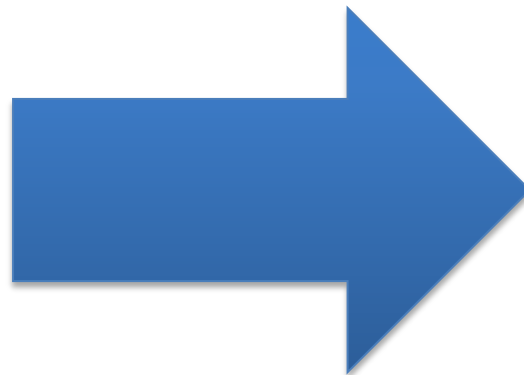
RLS makes available the details of registered nurse training record on dispensing medication to appropriate institutional system, the learner and other learner authorised displayers.

Nursing CV: Dispensing Medication

Current

DISPLAYERS

WEBSITES

(e.g., personal blog, profiles, social networking sites, resumes)

The individual /institution is able to display "Registered Nurses'" training record in a visual way

As the badge reaches expiry date interaction with the record of learning system will alter color to alert stakeholders of individuals current status to perform
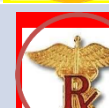
Expiring

Expired

Digital Dashboard

Nurse	skillA	skillW	skillR	skillD	skillG	skillX
John	🟢	🔴	🟢	🟢	🟢	🟢
Jane	🟢	🟢	🔴	🟢	🟡	🟢
Fred	🟢	🟢	🟢	🟢	🟢	🟢
Mrtyle	🟢	🟢	🟡	🟡	🟢	🟢
Brenda	🟢	🟢	🟢	🟢	🟢	🔴
Colin	🟢	🟡	🟠	🟢	🟢	🟢
Nola	🟢	🔴	🟢	🟢	🟢	🟢

Validity

- The extent to which the criteria of the badge issued aligns with established industry standards

- The extent to which the badge displayed is an accurate representation of the achievements of the employee.

- *For example, the validity of a badge would be challenged if the criteria established for a recognised practical procedure was measured solely by written activities.*

Reliability

- There is the expectation that the criteria used to define and award a badge in one environment and/or to one cohort of employees, if used under consistent conditions, would produce comparable results in all similar environments and cohorts of employees.

Credibility

- Badges issued must be recognised as a robust, reliable and accurate source of information on employee achievements by a range of stakeholders.

- Credibility is based on two fundamental components, trustworthiness and expertise.

- *For example, credibility is enhanced if the badge criteria are designed by acknowledged experts (expertise) and are endorsed by professional bodies within the industry (trustworthiness).*

Metadata

Badges are not "static" pictures they contain dynamic metadata that

- Reduces the risk of fakes (e.g., illegitimately copying and pasting pictorial badges)

- Builds in an a validation system (i.e. viewers can review actual learning undertaken).

- Adds credibility to badges awarded

Badge Metadata

The information "baked" in each badge includes:

- who issued the badge

- the issue date

- how the badge was earned

- hyperlinks back to artefacts, documents, or testimonials demonstrating the work that lead to earning the badge.

- authentication back to the issuer

Purdue

https://www.openpassport.org/Login