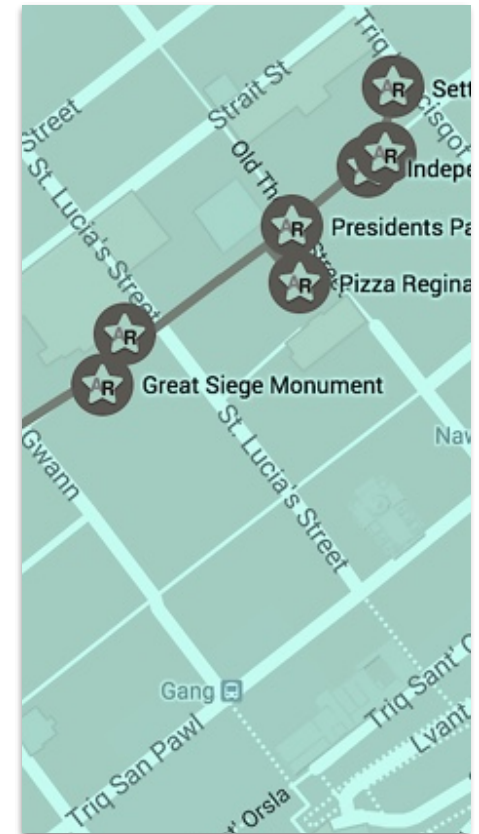# Smart Learning

A summary of doctoral research at the University of Malta discussing smart learning activities for connected learners

Pen Lister. MA MSc MBCS FHEA

October 2018

Open Access Smart Learning?

What

- Using technology in an environment to enhance learning

- Collaborative, active learning in real places

- Creative, participatory

- *"connected learners"*

- Formal, non formal, informal learning

Who

- Further or higher education students

- School age children

- Work based learning

- Community action and engagement

Open Access Smart Learning: Apps and Sites

Free apps for AR and mobile collaboration

- HP Reveal (AR)

- Blippar (AR)

- Edmodo, Moodle Mobile or similar

- Social Media

GPS (location) apps

- Google Maps

- DBPedia Places (Android)

- Geoflow (Android and iOS)

Open Access knowledge

- Your own web content shared with Creative Commons

- Open access websites

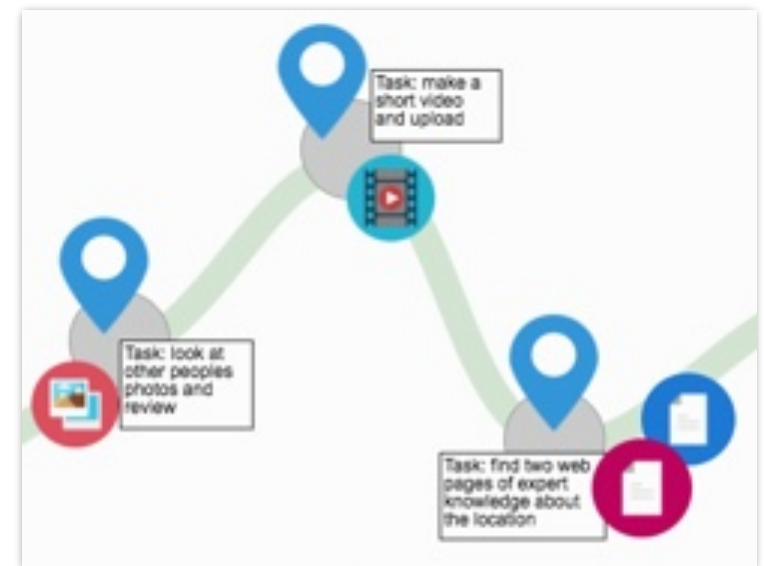- Wikis and OA collections

- Open Courseware

Developing learning journeys in real locations with digital content augmentations and collaborative, participatory learning activities

Activities can be about engaging with issues, study topics, local initiatives, culture and heritage, safety, environment or political challenges…
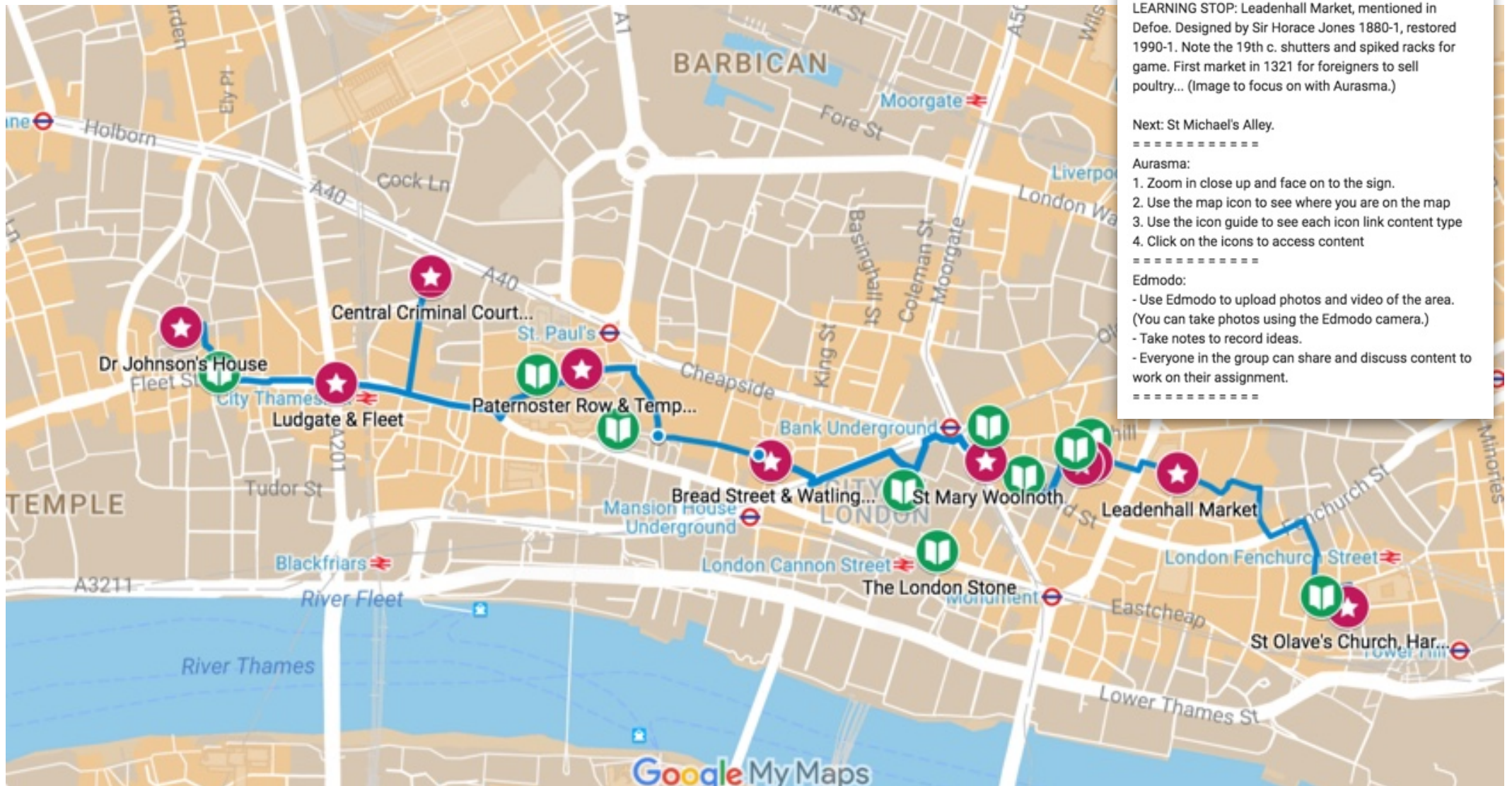

Journeys created so far:

- Literary London, The City of London, UK

- Malta Democracy, Valletta, Malta
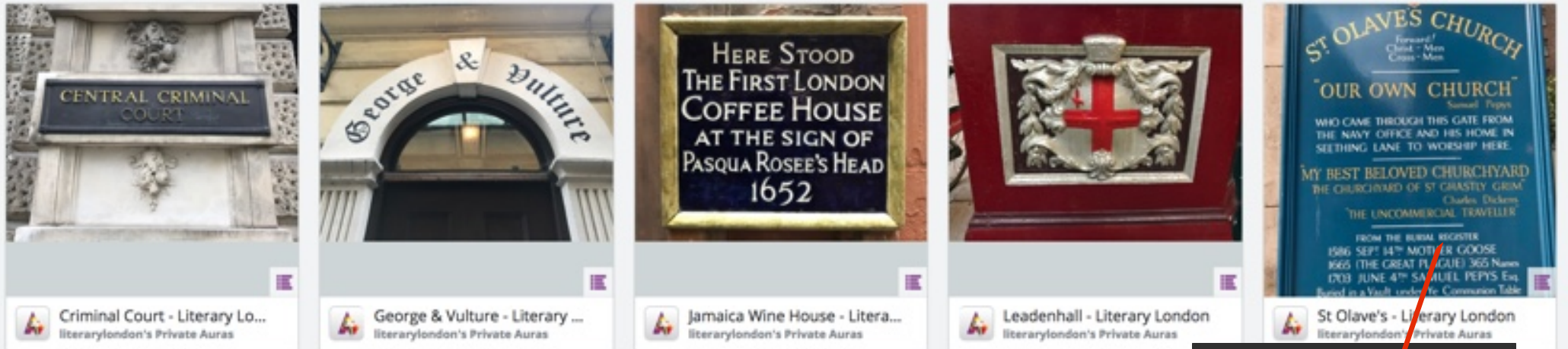
Open Access Smart Learning: London
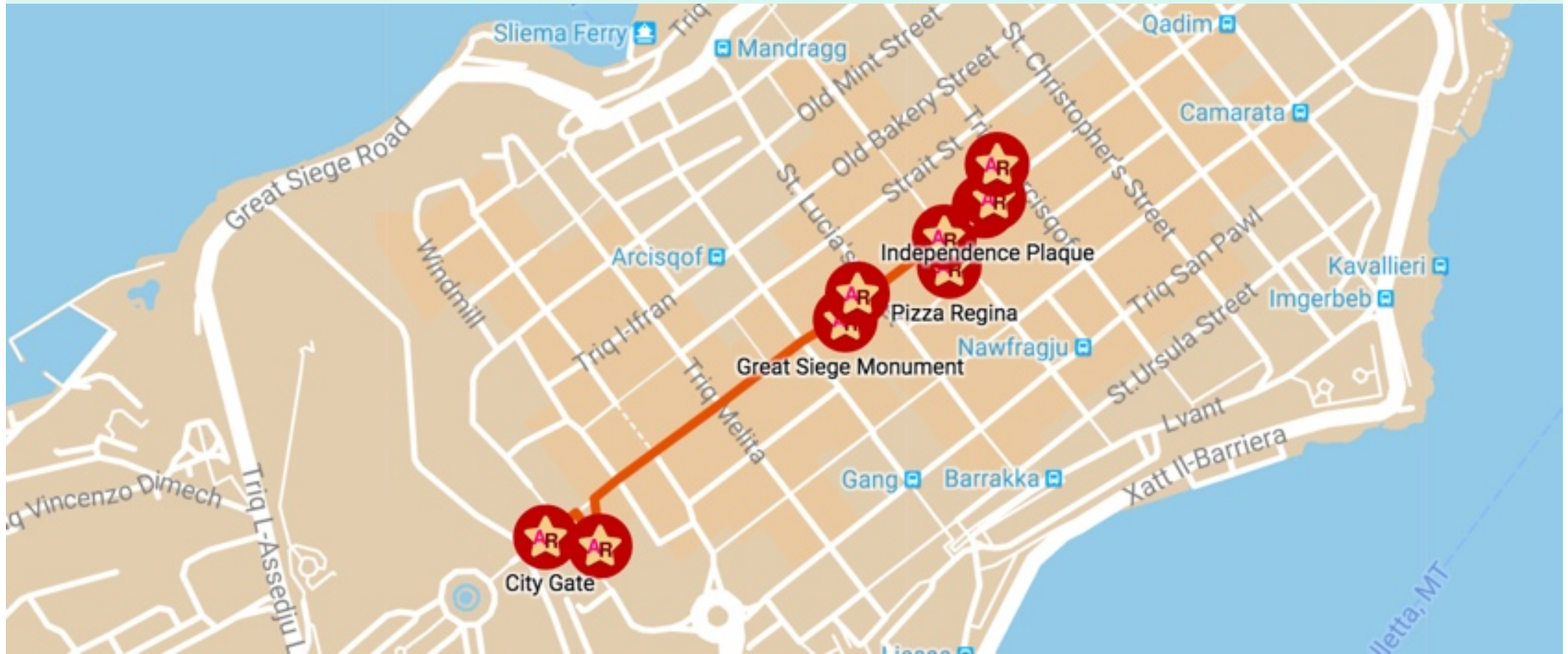
Literary London, The City of London, UK

Open Access Smart Learning: London

Literary London 'Auras'

Open Access Smart Learning: Malta

Malta Democracy, Republic Street, Valletta, Malta

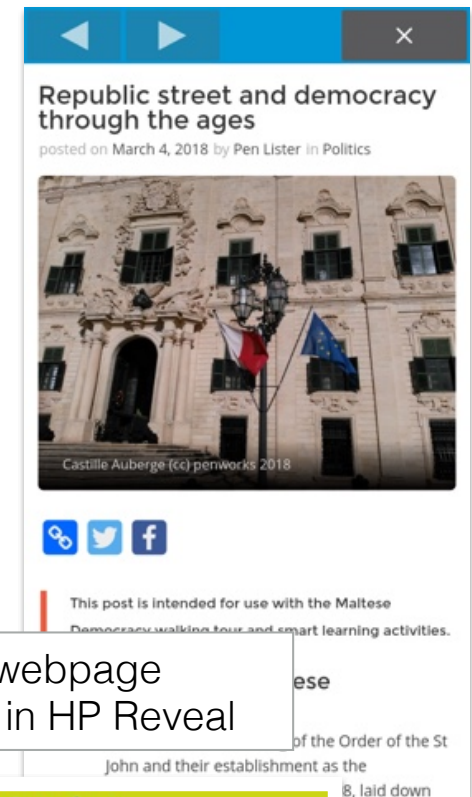# Open Access Smart Learning: Malta

Malta Democracy 'Auras'

Digital augmentations shown via HP Reveal

WIRT DINJI

Valletta City Gate past and present

Republic street and democracy through the ages

Snapshots of Republic Street

CITY OF VALLETTA

inscribed on the World Heritage List in 1980

The UNESCO sign at City Gate

Timeline of Maltese Courts

Law Courts and Democracy

The site of the Courts

TASK

The Law Courts sign outside the Court building

Republic street and democracy through the ages

posted on March 4, 2018 by Pen Lister in Politics

Castille Auberge (cc) penworks 2018

This post is intended for use with the Maltese Democracy walking tour and smart learning activities.

...ese

...of the Order of the St John and their establishment as the ...8, laid down

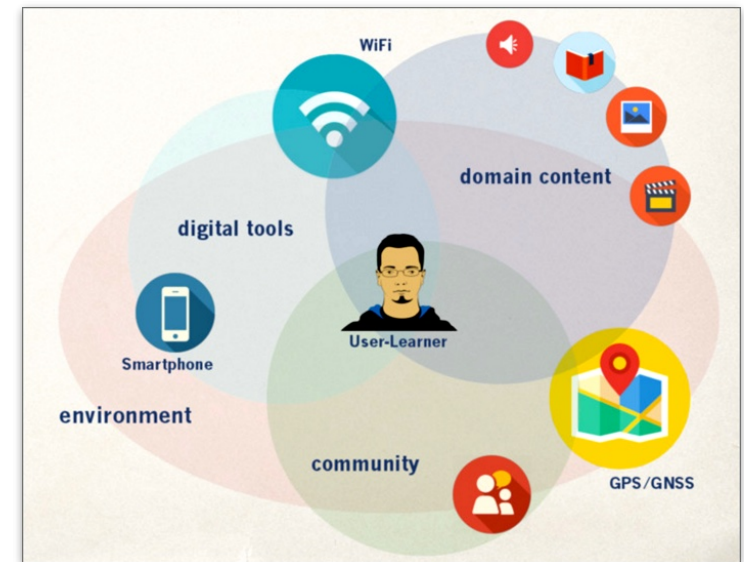Mobile webpage content in HP Reveal

Introduction

Republic Street is a living monument bearing witness to the Democratic aspirations of the Maltese nation. Its name, buildings, monuments and event memorials document the journey along time of the development of democracy in MALTA.

The map and journey show the Points of Interest chosen to illustrate this process. The set itinerary would take you on this path to democracy starting from the seat of where current democracy is executed in this highest institution of the country to where it all started from. In between, the history which is told is rich and ongoing.

The introduction message via information icon
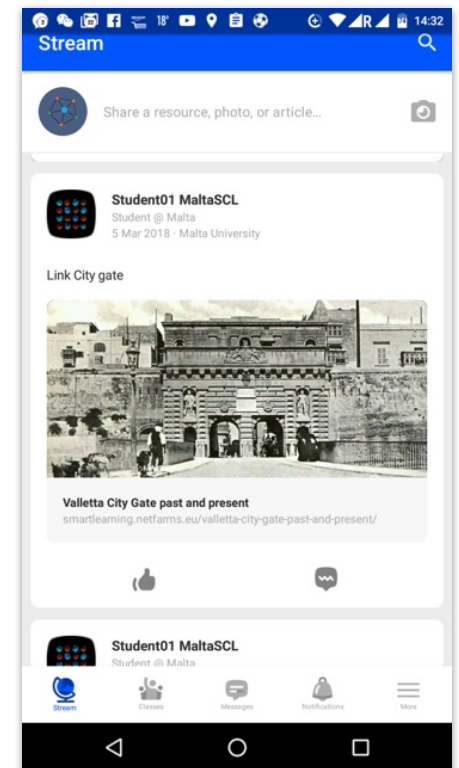
Interactions and app integration

- Interactions are varied

- Digital, with apps and websites

- With co participants - citizen or formal learners

- Interactions between the learner and the place

- Interactions with knowledge and content

- 'Seamless' (at home, in the classroom, on location)

- 'Asynchronous' interactions

- *Interaction design needs to acknowledge this multi-layered learning experience*

But, is this what we are all doing every day anyway?

Facilitating connected creative collaboration

- A group blog or forum using Blackboard 9.1

- A forum or group blog in Moodle

- Using an app like Edmodo

- Individual journal or blog for peer review

- Facebook group (closed or secret)

- WhatsApp chat group

Further implications - a Smart Knowledge Commons

- Mapping the Knowledge Commons

  - Gathering data from real world locations to contribute to finding and delivering knowledge more accurately

  - Uses of (open access) knowledge with GPS coordinates in smart learning pedagogy

  - Linked Open Data - connecting knowledge on the web

A smarter knowledge commons for smart learning
https://link.springer.com/article/10.1186/s40561-018-0056-z

Open Access Smart Learning

Background

About this project

This is the PhD research project of Pen Lister, based at University of Malta, Faculty of Education, in the Department of Leadership for Learning and Innovation. Pen Lister is a former senior lecturer from London Metropolitan University, having lectured there from 2006-2015 in Digital and Multimedia, and also acted as Senior Blended Learning Facilitator for their Centre for the Enhancement of Learning & Teaching.

People involved in this project:

- Pen Lister, PhD Candidate, University of Malta, Faculty of Education, formerly of London Metropolitan University
- Dr Philip Bonanno, 1st supervisor, University of Malta, Faculty of Education
- Prof John Cook, External supervisor, University of the West of England
- Trevor Norris, Course Leader BA English Literature and Creative Writing, London Metropolitan University

PhD Smart Learning website
http://smartlearning.netfarms.eu