Meta Academy Project Review

2022 Workshop on the Modernisation of Official Statistics
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NSOs share similar challenges

• Offering learning and development opportunities: a pillar for the Future of Work
• Need to constantly adapt skills to evolving technologies and data market

...And yet: mechanisms to share, reuse or co-create learning experiences at scale do not exist – between NSOs, or even within NSOs or NSSs
The goal of Meta Academy 2022

Initiate a framework and forum to facilitate co-creation and reuse of training across NSOs

Unleash the creation and use, at scale, of open digital assets to boost employee upskilling
Project recap

Initial brainstorming & presentations of existing initiatives

Round table of NSO training experiences

Experimentation of content co-creation and reuse (Git training)

Identify common barriers and propose solutions to fill those gaps

Outcome from 2022

Work Package 1.1 – 3 months

Work Package 1.2 – 6 months*

Work Package 2 – 6 months
Main barriers identified in work package 1

Absence or limited...

• ...common understanding of the training needs
• ..shared methodology to create learning content
• ..forum or community for trainers and academy managers to exchange practices, share on priorities
• ...decision to co-invest in training efforts.

Removing those barriers defines the notion of ‘Meta-Academy’
Key takeaways from the Meta Academy project

- **On the pedagogy**: some initiatives focus more on self-learning approach; others on synchronous learning experience with a coach (onsite or online).

- **On the content**: some initiatives take a broad approach at covering all regular official statistics activities; others are very much focused on data science or data intensive scientific activities

- **On the audience**: some initiatives target a national audience while others aim to grow an international network

- **On the platform**: all initiatives crystallise around a digital platform through which training content and services are created and traded
Outcomes of Work Package 2: Experiment with Git and Version Control

What did WP 2 learn from WP 1?
• Importance and use of personas
• Targeting training to adult learners
• Lessons learned from other NSOs Git training experiences:
  • Importance of clear concepts and terminology when it comes to Git, GitLab and Github
  • Importance of highlighting ‘what’s in it for’ employees and managers
  • What NSOs need to know about Gitlab and version control

What did we learn from WP2
• How general industry content can be adapted to apply to the NSO context
• Without a shareable and accessible platform or method to host training, content and delivery cannot go anywhere
Where do we go next?

- The most promising avenue to explore is to develop a *ModernStats Carpentry* under a partnership between the HLG-MOS and the Carpentries organization.
Who are the Carpentries?

Existing Carpentries projects

- Data Carpentry workshops should contain the following:
  - A lesson on data organisation
  - Any three other lessons from in the same domain in the Data Carpentry curriculum
- Library Carpentry workshops should contain the following:
  - Any three lessons from the Library Carpentry curriculum
- Software Carpentry workshops should contain Software Carpentry lessons on:
  - The Unix Shell
  - Version Control with Git
  - A programming language (R or Python)

A new Carpentry?

ModernStats Carpentry

‘Our vision is to be the leading inclusive community teaching data and coding skills to produce relevant, timely and granular official statistics.’

A community of 4000 certified trainers; 90000 learners participated in 3500 workshops from #100 members (universities and libraries mostly).
Why is Carpentries the best option?

Barriers

- Shared methodology to create learning content
- Forum or community for trainers and academy managers to exchange practices, share on priorities
- A shareable platform or repository to host material

How Carpentries meets our needs

- The Carpentries have a standard Lesson Program Incubation, testing and peer review process for the creation of training
- ‘Train the trainers’ programme, mentoring groups, and existing network of 4000 trainers from all over the world.
- Through the community of trainers and maintainers that includes academia and industry partners, as well as the Carpentries requirement and methods to keep training up,
- Existing platform to organise and coordinate training sessions
What is their ‘Business Model’?

01. The Carpentries are a non-profit, registered in the US, funded by membership and workshop fees, and grants from donors.

02. In order to engage with the Carpentries, the HLG-MOS and/or member organizations will need to pay a membership fee.

03. However, in the context of a ModernStats Carpentry, participating organizations could organise as many trainings as they wish.

04. All Carpentries content are open and free under CC license; training substance and materials are stored in Github.
Conclusion

ModernStats
Carpentry project proposal
Questions?

Thank you