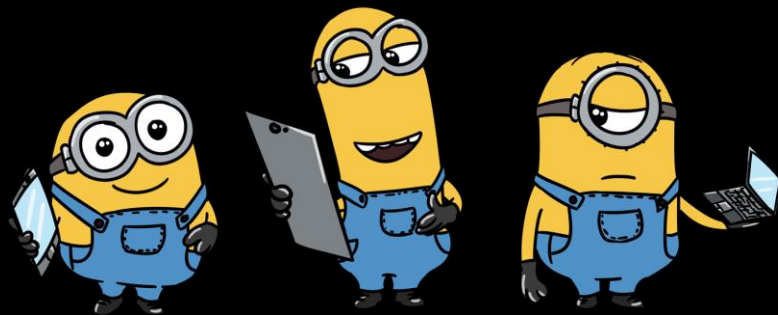


# SORSE

Florian Thiery  
Ronald Visser  
Moritz Mennenga

SORSE | 2021  
3rd March 2021



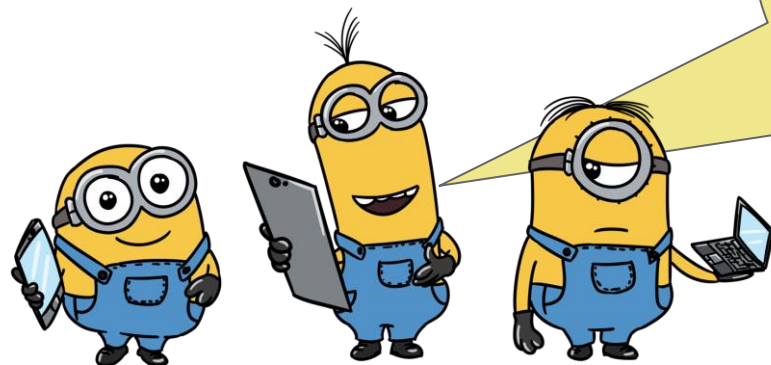
*Illustriours by fiverr*

## Little Minions in Archaeology

*An open space for RSE software and small scripts in digital archaeology*

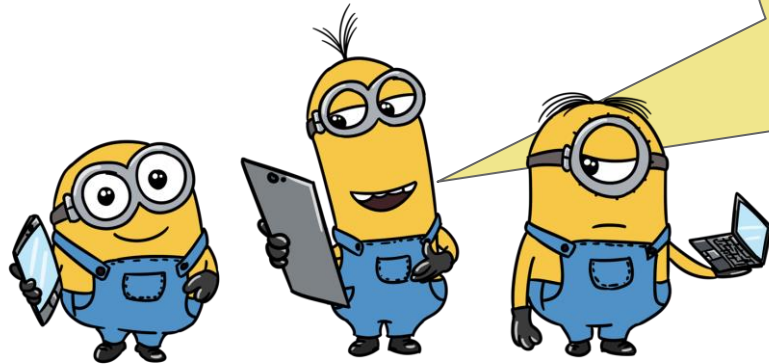
DOI [10.5281/zenodo.4575155](https://doi.org/10.5281/zenodo.4575155)





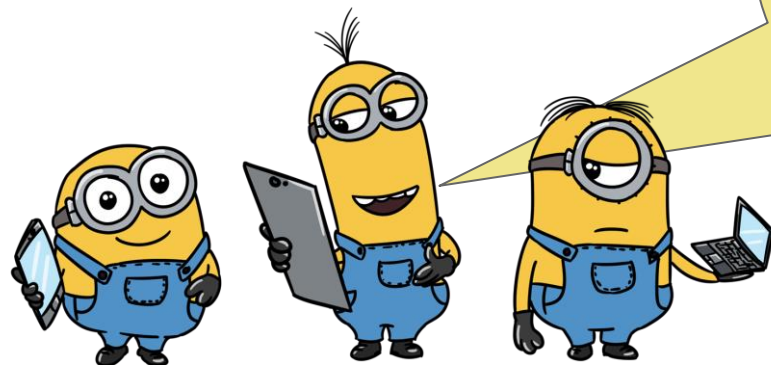
*Illustriouse by fiverr*

We are the **Little Minions** -  
small self-made scripts,  
home-grown small  
applications and small  
hardware devices - which  
help archaeologists in their  
daily work.



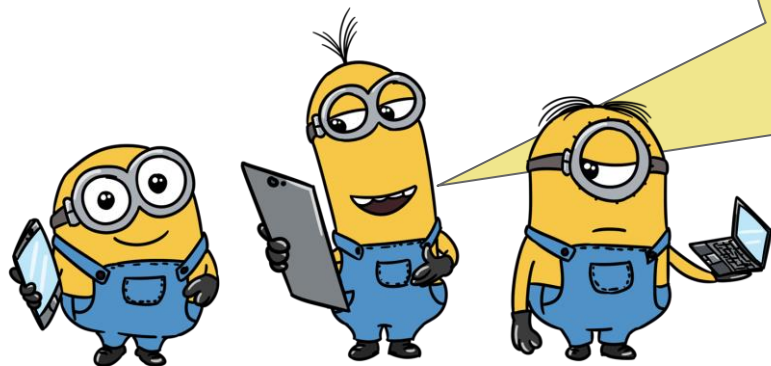
*Illustriours by fiverr*

We often reduce the workload or optimise workflows, but we are not often presented to the outside world and the research community.



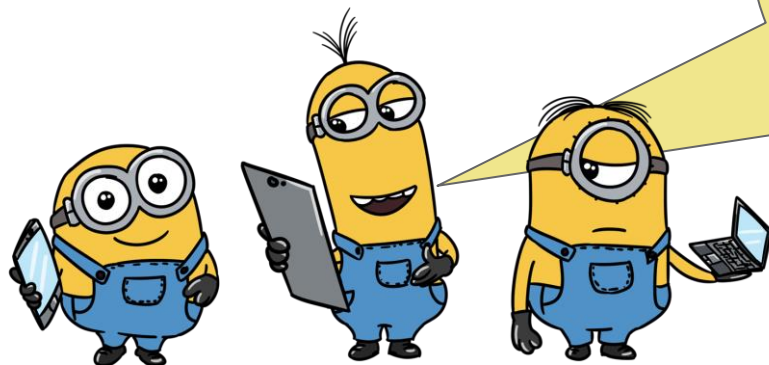
*Illustration by fiverr*

Researchers generally focus on presenting the results of research and silently use **Little Minions** to generate these, without not even pointing to them.



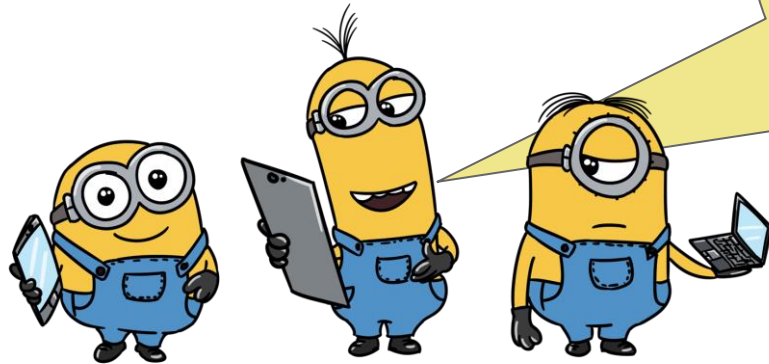
*Illustration by fiverr*

We see, that in archaeology,  
research software is  
underrepresented in  
conference talks as well as  
in research publications.



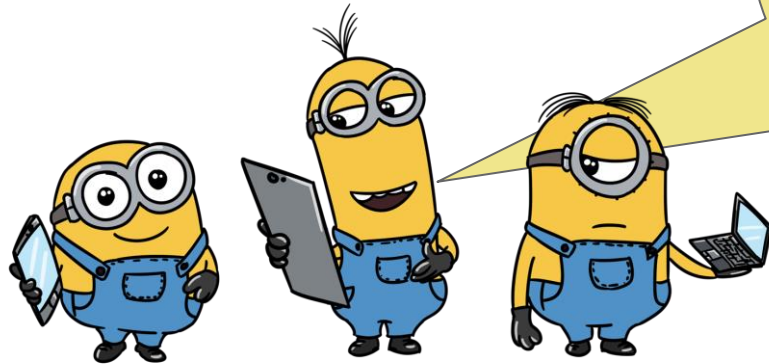
*Illustration by fiverr*

Let us promote us as **Little Minions** in the RSE and domain specific research communities to make us visible!



*Illustration by fiverr*

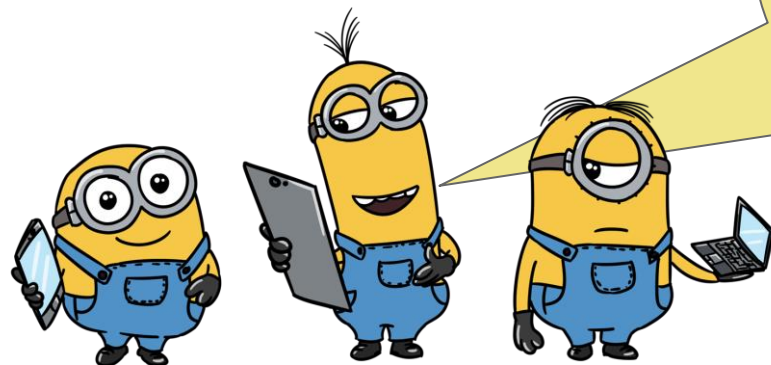
The **Little Minions** were created as “Working Group” at the Computer Applications & Quantitative Methods in Archaeology (CAA).



*Illustration by fiverr*

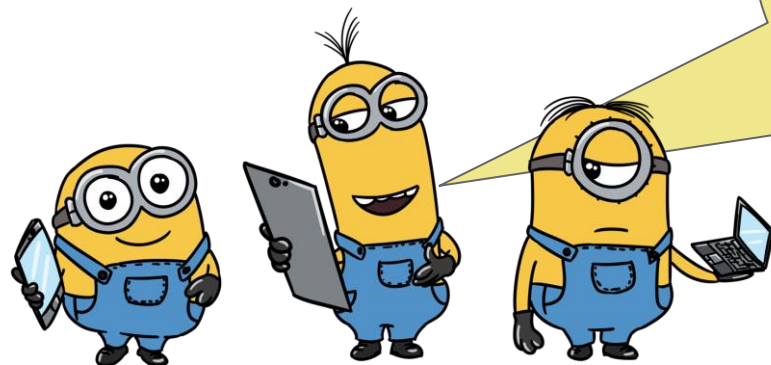
Human helpers organise a session that focus on us **Little Minions** and invite researchers to share their little helpers, so that the scientific community may benefit.





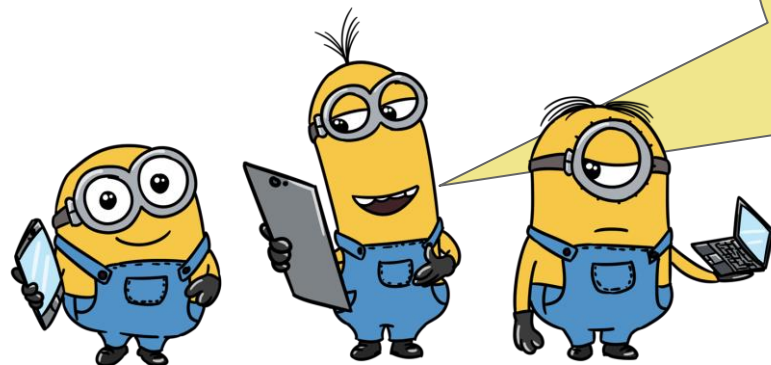
*Illustration by fiverr*

In such a “**Minion Session**” we are focussing on lightning talks - aka “**Minion Talks**” - where a wide range of tools are shared.



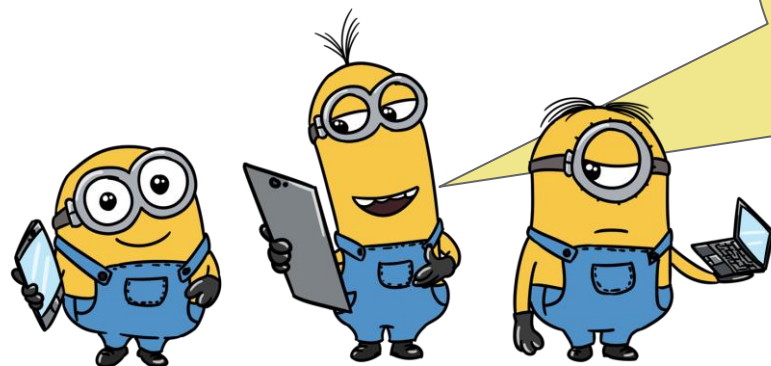
*Illustration by fiverr*

Each “**Minion Talk**” explains the innovative character and mode of operation of the digital tool.



*Illustration by fiverr*

We love **Open Science** and  
**Open Source Software!**



*Illustration by fiverr*

Our aim is that all **Little Minions** are non-proprietary as well as open and freely available on e.g. GitHub, GitLab.

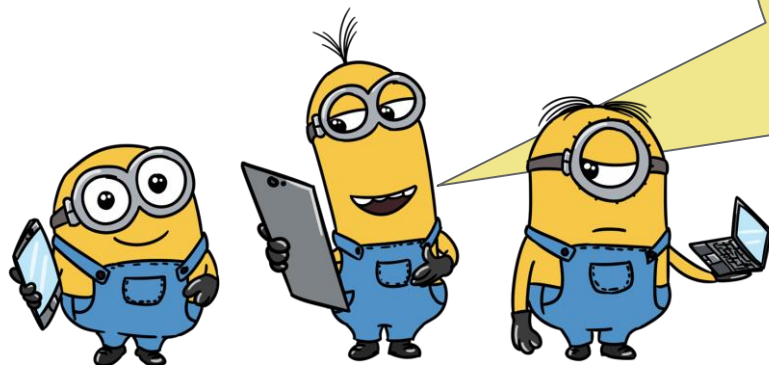


**CAA 2021**  
**Digital**  
**Crossroads**

gone virtual...  
14-18 June, Limassol, Cyprus

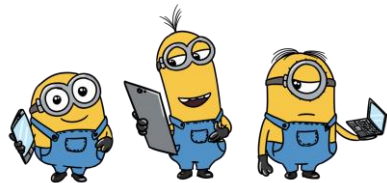


<https://2021.caaconference.org>



*Illustration by fiverr*

This are some cool **Little Minions** from the last CAA conferences. The next CAA conference will be held virtual on 14-18 June 2021.



Illustrations by fiverr

## A Linked and Open Bibliography for Aegean Glyptic in the Bronze Age

*Martina Trognitz (CAA 2019)*

<https://youtu.be/ywsRcniQ198>

### BIBLIOGRAPHY OF THE AEGEAN GLYPHTIC

More information on Wikiversity: [A Linked and Open Bibliography for Aegean Glyptic in the Bronze Age](#)

Q Search

24 results

Prev 1 2 3 Next

Victor E. G. Kenna – **Seals and Script II**  
(1963-01-01)

archaeology seal Cretan hieroglyphs Aegean glyptic Scaraboid seal Middle Bronze Age Linear A CMS XII 087

Judith Weingarten – **The Sealing Structures of Minoan Crete: MM II Phaistos to the Destruction of the Palace of Knossos**  
(1986-11-01)

archaeology sealing Aegean glyptic Phaistos Knossos

Judith Weingarten – **The Sealing Structures of Minoan Crete: MM II Phaistos to the Destruction of the Palace of Knossos**  
(1988-03-01)

archaeology sealing Aegean glyptic Phaistos Knossos

Judith Weingarten – **The Multiple Sealing System of Minoan Crete and its Possible Antecedents in Anatolia**  
(1992-03-01)

archaeology international relations sealing Aegean glyptic

Judith Weingarten – **Another Look at Lerna: An EH IIB Trading Post?**  
(1997-07-01)

archaeology sealing Aegean glyptic Lerna

Ingo Pini – **The 'Ring of Nestor'**  
(1998-03-01)

archaeology Helladic period forgery Aegean glyptic ring

Victor E. G. Kenna – **The seal use of Cyprus in the Bronze Age, II**  
(1967-01-01)

Bronze Age archaeology bureaucracy seal Cyprus Aegean glyptic

Judith Weingarten – **Aspects of tradition and innovation in the work of the Zakro master**  
(1985-01-01)

archaeology style Zakro Master Aegean glyptic attribution Zakros

#### Topics

- ☐ Aegean glyptic (28)
- ☐ archaeology (28)
- ☐ Minoan sealstone (17)
- ☐ seal (17)
- ☐ sealing (16)
- ☐ Mycenaean sealstone (15)
- ☐ forgery (4)
- ☐ Bronze Age (3)
- ☐ Cyprus (3)
- ☐ bureaucracy (3)

#### Individual seals

- ☐ CMS XII 087 (1)

#### Places

- ☐ Knossos (2)
- ☐ Phaistos (2)
- ☐ Lerna (1)
- ☐ Mallia (1)
- ☐ Zakros (1)

<https://bellerophons-pegasus.github.io/lobib/>

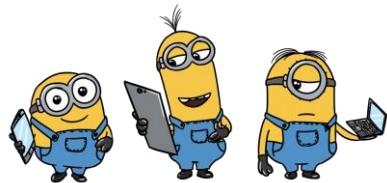


Illustration by fiverr

## My little text mining minion

*Ronald Visser (CAA 2019)*

<https://youtu.be/KlyWEFHaG5A>

### Text mining minion

Select folder with PDF

Convert PDF to text

• OCR if needed

Remove certain words

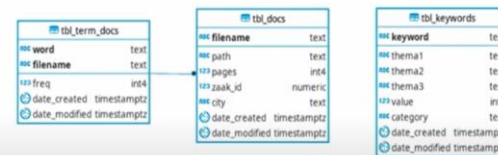
- Stop words
- Numbers
- Interpunction
- Spaces

Term Document Matrix (TDM)

• Extra: Word cloud per document

Rating documents

Ranking documents



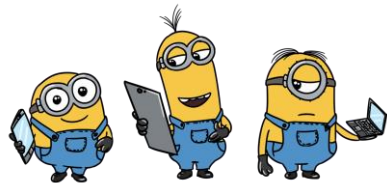
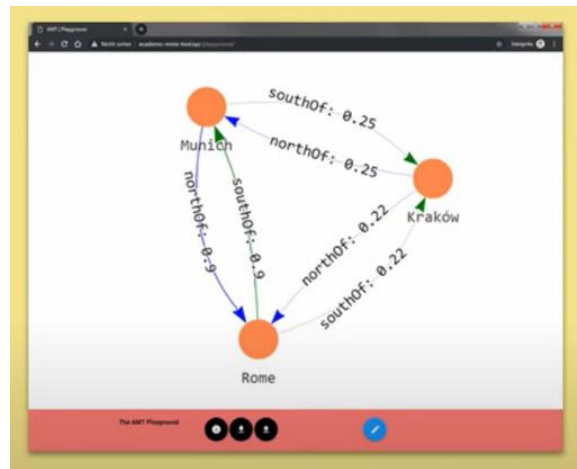
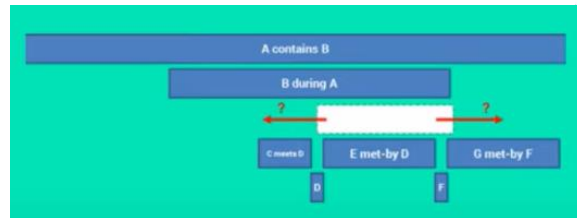


Illustration by fiverr

## Taming Time Tools: Alligator and Academic Meta Tool

Florian Thiery, Allard Mees (CAA 2019)

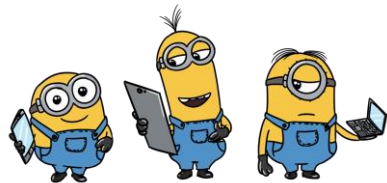
<https://youtu.be/X7mwRToJZbA>



<https://github.com/RGZM/alligator>

<http://academic-meta-tool.xyz>



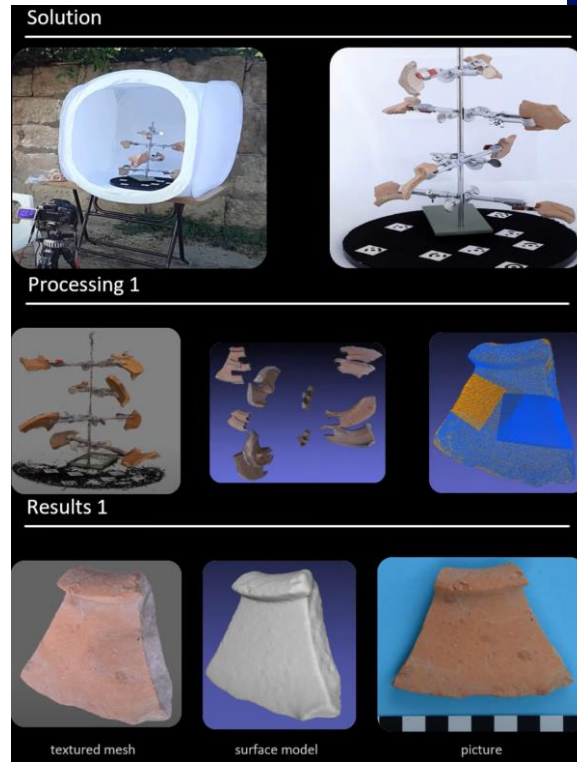


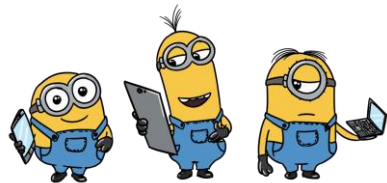
*Illustrations by fiverr*

## Serial, fast and low cost 3D pottery on site documentation

*Fanet Göttlich (CAA 2019)*

<https://youtu.be/zhD2bl3K66A>



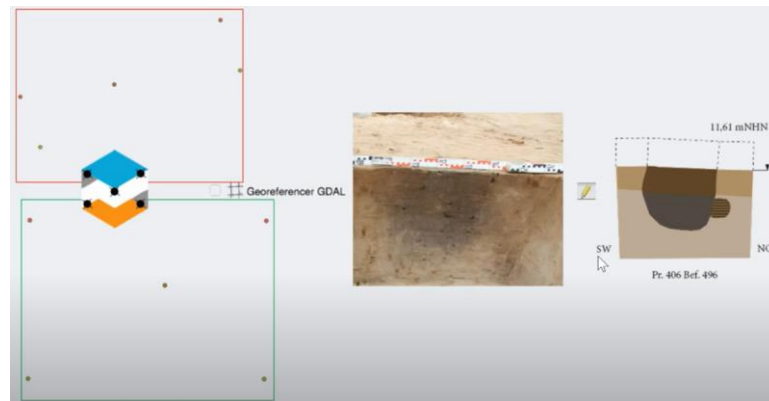


*Illustriouse by fiverr*

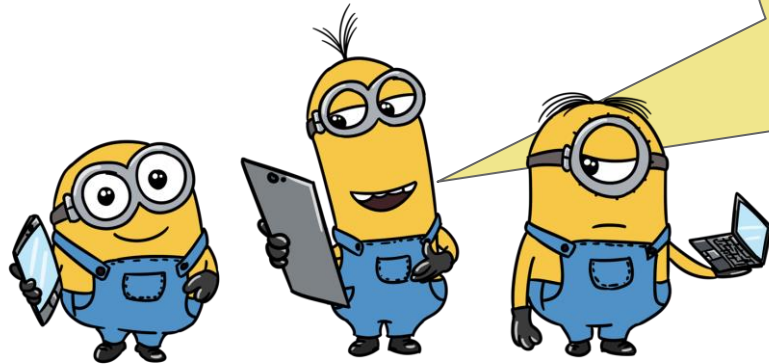
## profileAAR – a small tool helping to rectify archaeological profiles in QGIS

*Moritz Mennenga (CAA 2018/2019)*

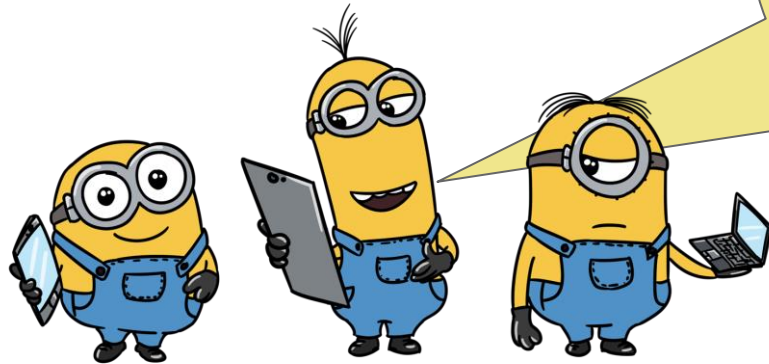
<https://youtu.be/SgVIP3lF7m8>



<https://github.com/ISAAKiel/profileAAR>  
<https://plugins.qgis.org/plugins/profileAAR/>

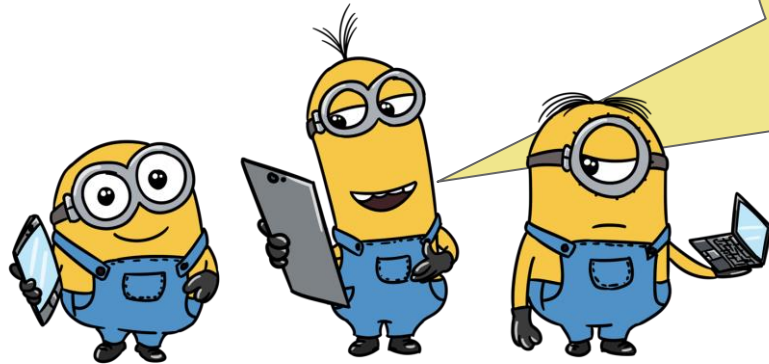


*Illustration by fiverr*



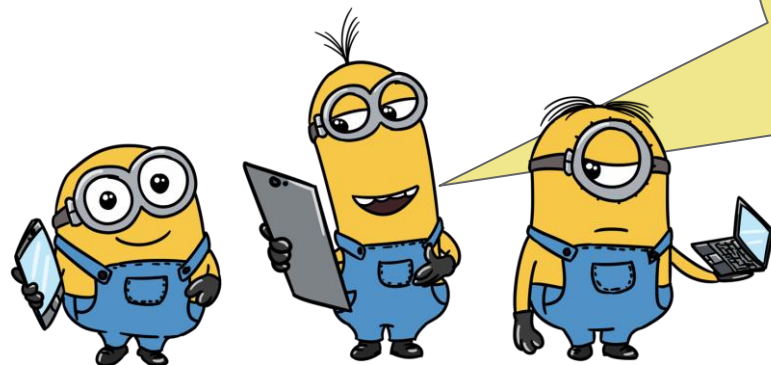
*Illustration by fiverr*

Presenting RSE work is important to increase the understanding for digital processes in archaeological research as well as the improvement of RSEs works as scientific research.



*Illustriours by fiverr*

Short lightning talks in  
combination with  
“**spontaneous stand up  
minions**” create a dynamic  
and casual atmosphere.



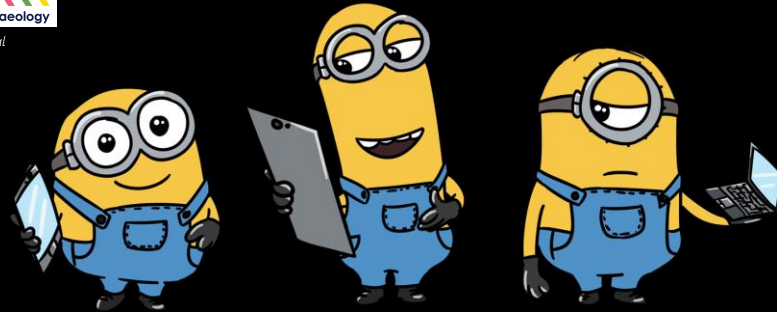
*Illustration by fiverr*

What can you do? Create your own “**Little Minions**” Session on domain specific scientific conferences!

# SORSE

Florian Thiery  
Ronald Visser  
Moritz Mennenga

Little Minions in Archaeology -  
an open space for RSE software  
and small scripts in digital  
archaeology



*Illustriours by fiverr*

# Thx!

Any questions?



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