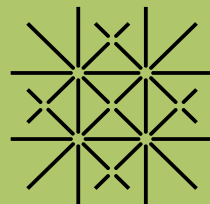


Instructions for a do-it-yourself sieving station type RAKO for the field

Compilation by Bigna Steiner,
photos by Öрни Akeret

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Needed materials

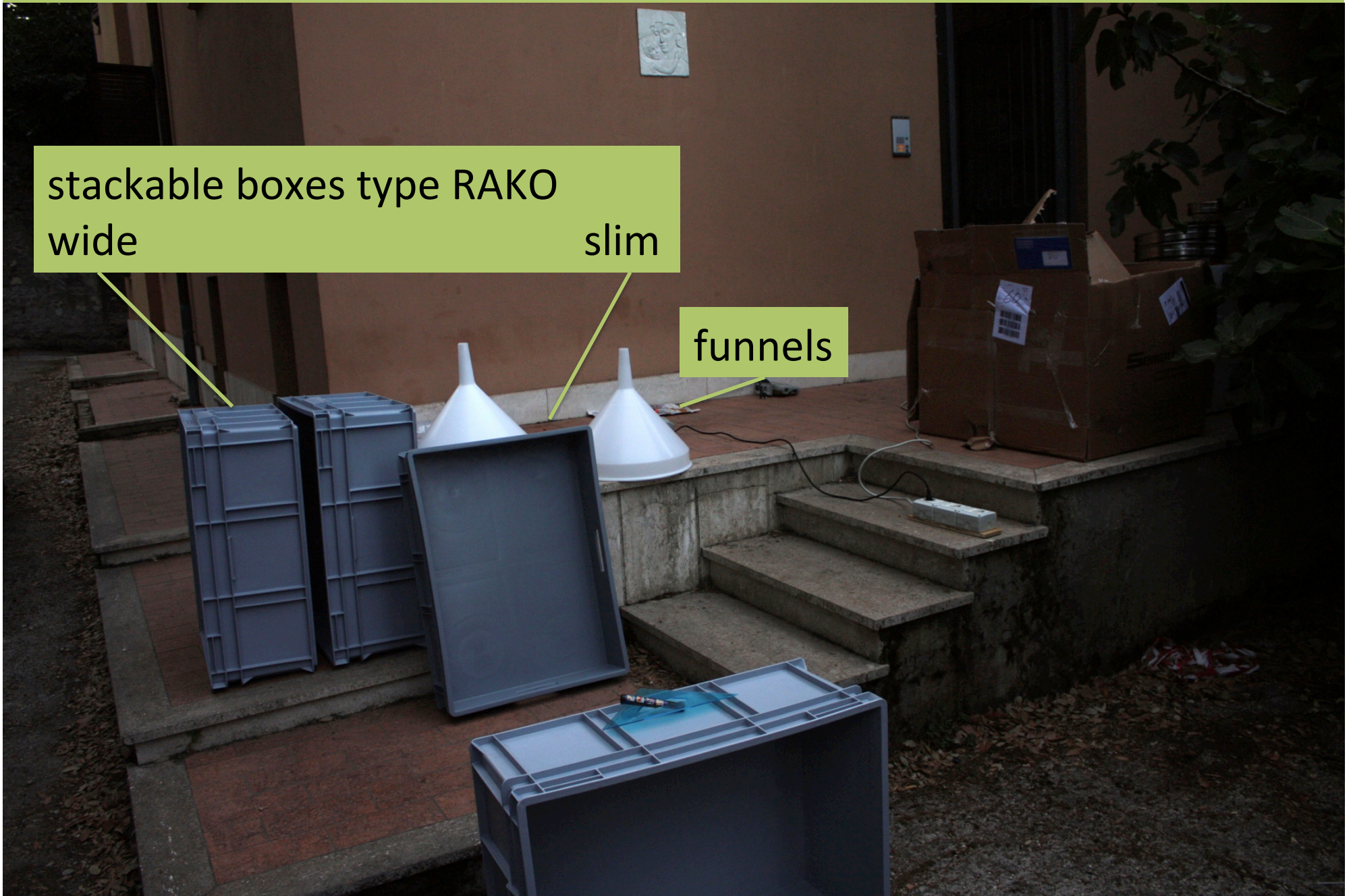
- 4 stackable boxes type RAKO
 - 3 x wide (800 x 600 x 323 mm)
 - 1 x slim (800 x 600 x 117 mm)
- 3 funnels (∅450 mm or any other size matching the sieves)
- 1 tube for the overflow with a matching seal (to prevent leakage)

- 3 sieves (∅400 mm or any other size matching the funnels)
 - mesh sizes should be determined according to research question
 - eg. for Neolithic waterlogged sites 4mm, 2mm, 0.35mm
- 1 hose with a sprinkler head (attached to running water)

stackable boxes type RAKO
wide

slim

funnels



A hole for the funnel (∅450mm or any other size matching the funnels and sieves) is cut into two of the wide stackable boxes and the slim stackable box



The narrow ends of all 3 funnels are cut off (not too much should be cut – notice the remnants on the floor). They serve to guide the material passing from one sieve to the next.



A „window“ is cut into the two wide stackable boxes which already contain a hole for the funnel and sieve so that the content of the sieves can be controlled at all times.



A hole for the overflow is cut into the uncut wide stackable box (which will be the lowermost element), matching the size of the correspondent tube.



The tube for the overflow is inserted into the wide stackable box (lowermost element), with a seal to prevent leakage



Assembling the sieving station

The stackable boxes are put on top of each other on the following order:

- The wide box with the tube is the lowermost element.
- The two wide boxes with windows and holes for the funnels and sieves are the intermediate elements.
- The slim box with a hole for the funnel is placed on top.

For use, the sieves are inserted and the hose with sprinkler head is attached to water and the sieving station is ready.

The overflowing water needs to be collected or be allowed to run off properly.



- See for video instruction about the use of wash-over sieving:

- English

- www.youtube.com/watch?v=UCa5oKgA0PM

- German

- www.youtube.com/watch?v=D91wZiieeOg

- See also for more photos of sieving stations in use:

- Waterlogged site:

- https://duw.unibas.ch/fileadmin/user_upload/duw/IPNA/PDF_s/PDF_s_in_use/ChaineOperatoire_Feuchtboden.pdf

- Dry site:

- https://duw.unibas.ch/fileadmin/user_upload/duw/IPNA/PDF_s/PDF_s_in_use/ChaineOperatoire_Mineralboden.pdf

Product information

Examples in German (status: 30th May 2017), of course other materials can be used as well.

stackable boxes type RAKO

- wide: 3 Stapelbehälter RAKO, Doppelboden geschlossen (800 x 600 x 323 mm), Bestellnr. 3-220Z-72-V.7000.0101, www.utzgroup.ch/stapelbehaelter-rako-800-600-323-mm-4298/
- slim: 1 Stapelbehälter RAKO, Doppelboden geschlossen (800 x 600 x 117 mm), Bestellnr. 3-222U-72-V.7000.0101, www.utzgroup.ch/stapelbehaelter-rako-800-600-117-mm-4393/

funnels

- 3 Trichter PE-HD \varnothing 450 mm, Bestellnr. 203, eshop.semadeni.com/trichter-pe-hd-o-450-mm.html

sieves

- 3 Analysensiebe mit 400 mm \varnothing und Randhöhe 60 mm, www.retsch.de/de/produkte/sieben/analysensiebe/funktion-merkmale/