

# Le projet franco-allemand sur les figurines féminines du Levant Sud 2012-



Régine Hunziker-Rodewald, Université de Strasbourg

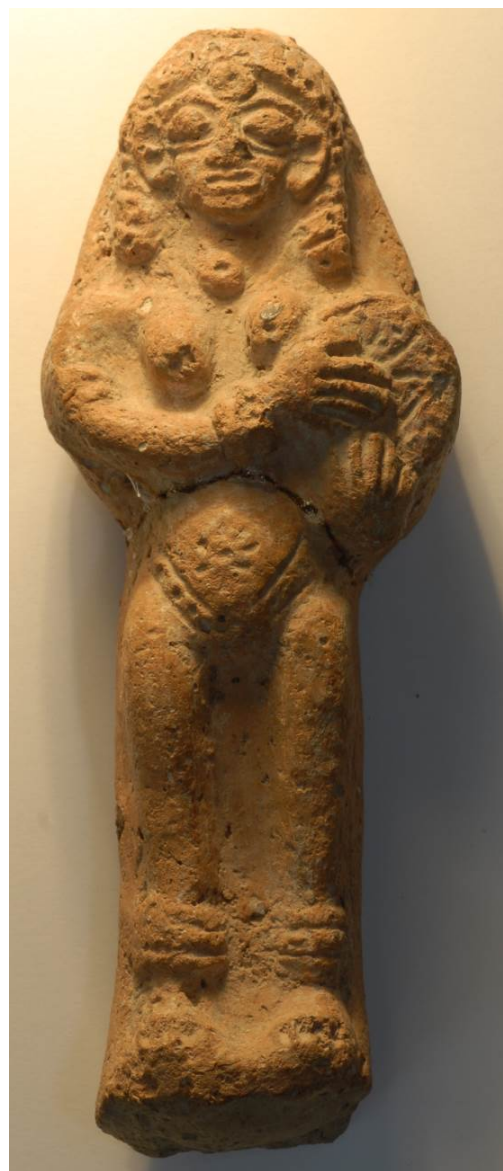
## « franco-allemand »

- **Regine Hunziker-Rodewald, Ancien Testament, Histoire d'Israël et du Proche-Orient ancien, Strasbourg (France)**
- **Astrid Nunn, Archéologie du Proche-Orient ancien, Würzburg (Allemagne)**
- **Thomas Graichen, doctorant en Archéologie du Proche-Orient ancien à dominante informatique, Mayence (Allemagne)**
- **Membre associé : Michèle Daviau, Archéologie du Proche-Orient ancien, Waterloo (Canada)**

« figurines féminines »

- en terre cuite
- de l'Age du Fer II (env. 1000-600 avant J.-C.)
- 4 cm à 19 cm





SCD s. 312, jeudi 10 septembre 2015, 9h à 11h

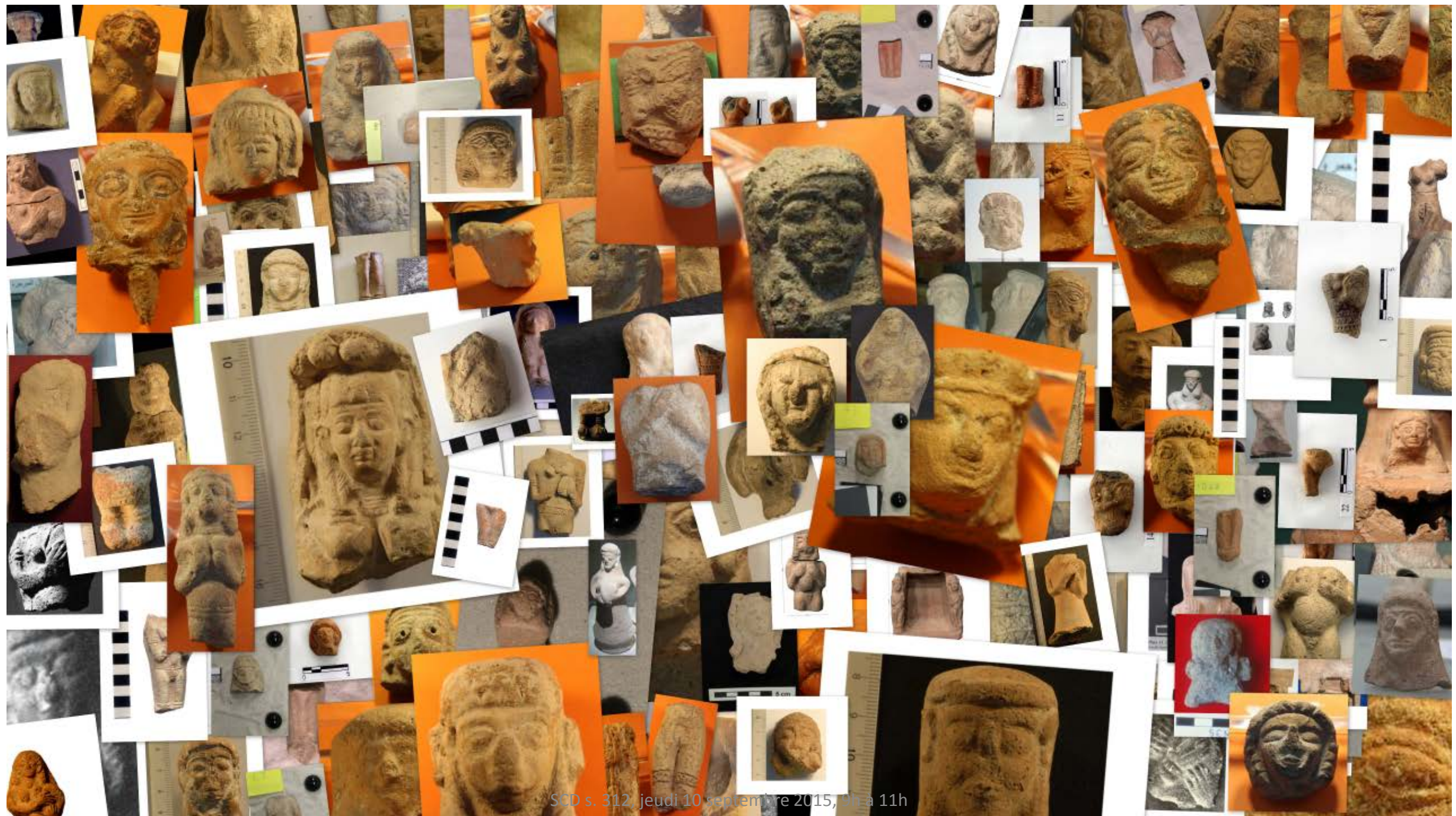


## chiffres

- 420 figurines, 95 % fragments
- 229 RTI\* + 36 no RTI\* + 153 RTI2do (75 + 78)



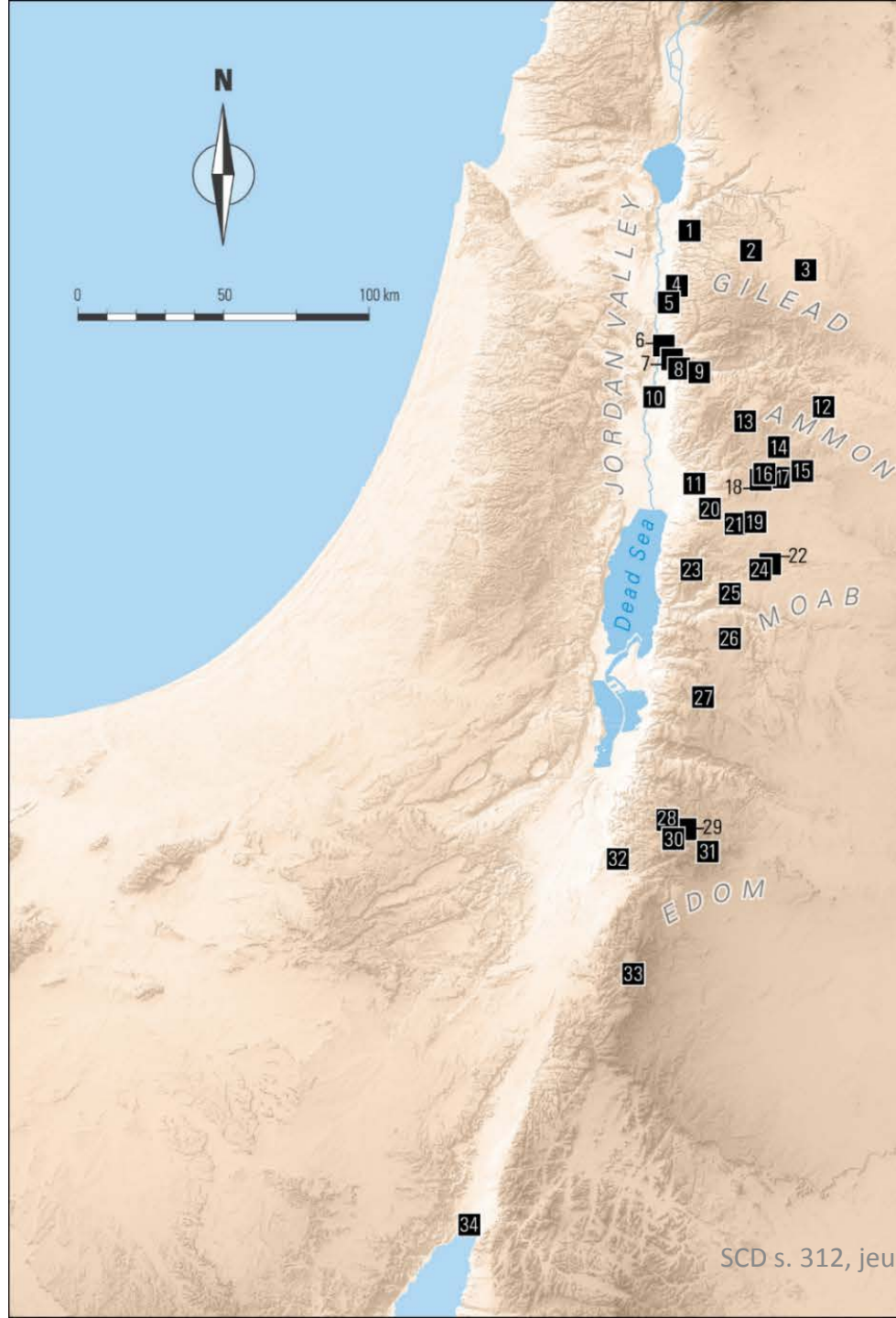




## « Levant Sud » : Transjordanie + Cisjordanie (Israël-Palestine)







# Distribution according to sites

## GILEAD

- 1 Tall Zira`a
- 2 Tall Irbid
- 3 Tall ar-Rumayth

## JORDAN VALLEY

- 4 Pella
- 5 Tall Abu al-Kharaz
- 6 Tall as-Sa`idiya
- 7 Tall al-Mazar
- 8 Tall Dayr Alla
- 9 Tall adh-Dhahab al-Gharbiya
- 10 Tall Damiya
- 11 Tall al-Hammam

## AMMON

- 12 Jneneh
- 13 Tall Safut
- 14 Amman, Citadel  
Amman, Jabal al-Jofa ash-Sharqi
- 15 Sahab
- 16 Tall al-Umayri
- 17 Tall Jawa
- 18 Hisban
- 19 Jalul

## MOAB

- 20 Mount Nebo (*several sites*)
- 21 Madaba
- 22 Khirbat al-Mudaynat ath-Thamad
- 23 Ataruz
- 24 Rujm ar-Rumayl South / WT 13
- 25 Dhiban
- 26 Balu` (North, Umm Dimis)  
Khirbat al-Balu` (South)
- 27 Karak (*region*)

## EDOM

- 28 Khirbat Qasr ad-Dayr
- 29 Rujm Ras al-Hala
- 30 Busayra, Citadel
- 31 Khirbat ad-Dabba
- 32 Khirbat an-Nahas
- 33 Tawaylan
- 34 Tall al-Khalayfa

Cartographer: Jean-Yves Sauter (2015)  
 Basemap: SRTM (NASA/NGA - ESRI)  
 Data sources: FGFP, DAAHL





**FGFP**

**Travail avec des archéologues, des musées, des collections :**

- **en Jordanie, 2/3**
- **EU, Angleterre, Canada, Pays-Bas, Australie, Irlande, Israël, Suède**
- **la plupart des figurines sont publiées**

## objectif

- archiver + documenter I : enregistrer les données

L233	WT-13 WT 86- 2/586	Field A Square 2 Locus 15  Cultic context	Part of a model shrine	Complete. H. 11.2, W. 4.2, D. 2.6 Front: 10YR 7/3 Back: 7.5YR 7/3	Daviau 2001: 319 No. 13. Sugimoto 2008: 123, T12. Dolan 2009: 132 fig. 3. Trow 2010: No. 221. Daviau 2014: 2 fig. 2.3.	Madaba Archaeological Museum M. 8284 13.8.2013 ID_137, RTI*
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>> en français, anglais et arabe



L39a\_Amman Citadel ID\_211.JPG



L39b\_Amman poss. 875 ID\_186 head.JPG



L39c\_Amman Citadel ID\_212.JPG



L39d\_Amman Citadel ID\_213.JPG



L39e\_Amman Citadel ID\_214.JPG



L39f\_Amman Citadel ID\_215.JPG



L39g\_Amman Citadel ID\_216.JPG



L39h\_Amman Citadel ID\_217.JPG



L39i\_Amman Citadel ID\_218.JPG



L39j\_Amman Citadel ID\_219.JPG



L39k\_Amman Citadel ID\_220.JPG



L39l\_Amman Citadel ID\_221.JPG



L39m\_Amman Citadel ID\_222.JPG



L39n\_Amman Citadel ID\_223.JPG



L39o\_Amman Citadel ID\_224.JPG



ID\_204      L10c      Collection / Museum Amman IFPO      male,  
sexless

#### I Object type

1. In the round
  - a. Hollow / solid
  - b. Mould
  - c. Model shrine
  - d. Vessel
  - e. Undifferentiated
2. **Front side in relief, flattened back**
  - a. Convex / concave
  - b. Pillar like (back side is deeper than front side)
  - c. Flat**
  - d. Tablet background
  - e. Undifferentiated
  - f. Protome, attached to

#### II State of preservation

1. Complete
2. Head
3. Bust
- 4. Torso**
5. Legs
6. Fragment:

#### III Dimensions

1. H. 4.9
2. W. 4.4
3. D./L. 2.2

#### IV Provenance

1. Site Amman Qal'a, excavated by Jean-Baptiste Humbert 1988-1994
2. Finding place
3. Inventory number AC. 477

(E = Excavation; M = Museum / Collection)

#### V Description

- 1. GENERAL: standing / sitting, preserved from ...shoulders..... to...waist....., front half, back half. Left front side damaged. Left side flattened already in antiquity?**
2. **HEAD: with peg**
  - a. Headdress / top of the head, complete / damaged
    - a.1 Top flat / plain / with fringe / partly with a ridge
    - a.2 Headdress: flat, ridge/ridges above forehead
    - a.3 Headdress: high, zigzag pattern, ridges on forehead
    - a.4 Varia
  - b. Hairstyle complete / damaged
    - b.1 Top: lines / wavy lines / dots
    - b.2 Fringe: plain / indicated by fine or rough lines / wavy
    - b.3 Wavy rows, covering the top, the ears and framing the cheeks
    - b.4 Side-locks: complete / damaged  
Rounded / cut /  
pendulous  
Striated: diagonally, lengthwise, irregularly, finely / roughly  
Divided by a vertical line  
Tucked behind the ears, reaching chin level / neck / shoulders / upper chest level  
Parted, covering the ears, falling onto the shoulders
    - b.5 Hair: plain, covering the ears, flowing onto the back
    - b.6 Varia

- c. Forehead: vertical ridges
- d. Eyebrows: prominent brow ridge / none
  - d.1 Parallel to eye outline / to eye ball, unibrow
  - d.2 Accentuated by an impression above
  - d.3 Marked with vertical lines
  - d.4 Varia
- e. Eyes: complete / damaged / worn
  - e.1 Eye ball almond-shaped / rounded / large / extra-large  
Flat / in relief / pellet  
Pupil: dot / originally inlaid / incised horizontal line / not indicated
  - e.2 Eye outlined by a ridge / incised line / no outline
  - e.3 Varia
- f. Nose: complete / damaged / worn
  - f.1 Small / large
  - f.2 Pinched / snub nose / wide nostrils
  - f.3 Varia
- g. Ears: complete / damaged / invisible / visible / worn
  - g.1 Small / large
  - g.2 Incised / outlined by a ridge
  - g.3 Stuck on / high / low positioned / prominent / forward turning
  - g.4 Inside: ridge or knob / hollowed out
  - g.5 Earlobe
  - g.6 Varia
- h. Face, cheeks: complete / damaged / worn
  - h.1 Face: rounded / elongated / slim / high cheekbones
  - h.2 Cheeks: flat / chubby / hollow
- i. Mouth, lips: complete / damaged / worn
  - i.1 Small / large
  - i.2 Curved / straight / oblique mouth
  - i.3 Full / thin / flat / puckered / open lips
  - i.4 Corners of the mouth turned down / up

- i.5 Upper and lower lip different
- i.6 Varia
- c. Chin: complete / damaged / worn  
Rounded / long rounded / pointed
- k. Neck: long / short
- 1. BODY: **nude or dressed, rather nude**
  - a. Arms, hands complete / damaged / broken
    - a.1 **Holding a disc on the left side of the chest** / in front of the chest  
Left hand holding the disc, **right hand placed on it**  
Both hands holding disc from below / from the side / one hand from above
    - a.2 Holding a disc at a right angle with the body
    - a.3 Bent arms forward breasts
    - a.4 Hands holding the breasts: cupping / covering / pressing
    - a.5 Hands below breasts
    - a.6 Hands on abdomen / below belly / akimbo
    - a.7 Holding a child / an object
    - a.8 Arms along the body, one / both
    - a.9 Hands on pubic area
    - a.10 Arms not attached to the body
    - a.11 Varia: **fingers worn**
  - b. Breasts: complete / damaged, invisible, **right one** / both
    - b.1 **Small** / large
    - b.2 Placed high / asymmetrically
    - b.3 Rounded / pointed / prominent / **elongated** / modeled
    - b.4 Pellet / dots for nipples
    - b.5 Varia
  - c. Abdomen: Flat / distended / fleshy / pregnant /
  - d. Hips: complete / damaged / broken
    - d.1 Broad / narrow / straight / rounded
    - d.2 Buttocks
  - e. Genitalia: complete / damaged / not demarcated / hidden

- e.1 Pubic area: triangular / quadrangular / outlined
- e.2 Pubic area: flat / protuberant
- e.3 Vulva: almond-shaped / rounded / opened vertically
- e.4 Pubic hair: indicated by lines / punctuations
- e.5 Pellet
- e.6 Varia
- a. Legs: complete / damaged / broken
  - f.1 Legs: apart / splayed / together / parallel / distinct from torso / crotch
  - f.2 Thighs: skinny / stout / straight / shapely
  - f.3 Varia
- b. Feet, toes: complete / damaged / broken, no feet, no toes
  - g.1 Fashioned crudely / finely
  - g.2 Feet apart / together
  - g.3 Toes long / short
- 1. **GARMENT?: neck rim to one shoulder to the other = jewellery?** / length / straight or bell shaped / sleeved / no sleeves
  - fabric: plain; pattern: lines, dots, zigzag; belt
- 2. **JEWELLERY, adornment**
  - a. Headdress / hairstyle: band / bands; decorated:
  - b. Forehead: medallion
  - c. Ears: earring / eardrop / on both sides / on one side
  - d. Neck / chest
    - d.1 Neckband: narrow / broad, double, medallion, **see V.4**
    - d.2 Necklace, pendant, string visible / not visible
  - e. Arms: armlet / armlets, on both arms / on one arm; decorated:
  - f. Wrists: bracelet / **2 bracelets, on right wrist** / on one wrist; decorated:
  - g. Abdomen, pubic area: V-shaped fabric strip, decorated:
  - h. Waist: belt; decorated:
  - i. Navel: tattoo?: star-shaped
  - j. Legs, ankles: anklet / anklets, on both legs / on one leg; decorated:
  - k. Disc: **worn** / complete / damaged / plain / decorated: frame / lines, dots, zigzag

a. Varia

## VI Manufacturing technique

1. Moulded / hand-made
2. Head moulded, hand-made, combination of the two
3. Body moulded / double moulded, hand-made, wheel-made, **combination**
4. Surface smoothed / slipped

## VII Ware

1. Solid, surface: Front: 10R 6/6 Back: 10R 7/4 Core: grey surrounded by 2.5 YR 8/3
2. Hollow, exterior surface: Interior surface: Core:

## VIII Painting

1. Hair, headdress
2. Eyes outline / pupil
3. Garment
4. Pubic area
5. Varia

## IX Remarks

1. Photos received from museum / collection:
2. RTI done by Thomas: **all** / front / back / right / left
3. Photos, done by
4. Varia: 27.8.2013



## The archaeological context of the figurines

Tall Jawa is located 11 km south of Amman. It was already recognized as an antique site in the 19<sup>th</sup> c. and was assigned to the Iron Age even before the survey of N. Glueck. Tall Jawa came under the purview of the "Madaba Plains Project Hinterland Survey" in 1984. As part of this project, excavations began in 1989 under the direction of R. W. Younker, Professor of Old Testament and Biblical Archaeology and Director of the Institute of Archaeology at Andrews University in Berrien Springs/MI, and P.M. Daviau, Professor of Near Eastern Archaeology at Wilfrid Laurier University in Waterloo/Canada, who served as a director for the last four seasons in 1992-1995.

Although pottery possibly hints at a settlement in the Late Bronze Age (Stratum XI), Tall Jawa was to flourish in the Middle and Late Iron Age II (9<sup>th</sup>-7<sup>th</sup> c. BC). Most of the excavated structures go back to Early Iron Age II (Stratum IX), Middle Iron Age II (Stratum VIII B and VIIIA) and to Late Iron Age II (Stratum VII). Later layers encompass Persian, Roman, Byzantine, Arabic and modern remains.

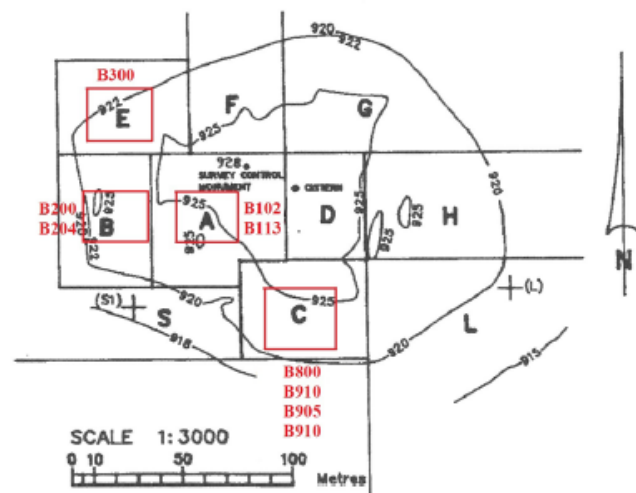


Fig. 1: Plan of Tell Jawa with excavated areas, After Daviau 2003, 12

A well built casemate wall surrounded the site from Stratum IX on. B102 and B113 in Field A, B200 and B204 in Field B as well as B300 in Field E were contemporary in Stratum VIII. On the other hand B800, B900, B905 and B910 in Field C and B700 in Field D are later and belong to Stratum VII (fig. 1). All buildings have a domestic and industrial character, no

obvious building or architectural features of explicitly religious character were found (Daviau 2002, 1-5. Daviau 2003. Daviau 2011).

Nine figurines from Tall Jawa are catalogued in our database. All are published in Daviau 2002 and 2003. Nonetheless, Michèle Daviau supported us in answering our multiple questions and providing an overall review.

The figurines were excavated in Field A, B, C and E and belong to the Strata VIII and VII (fig. 2).

TJ No.	L No. ID No.	Field	Square	Locus	Stratum	Building	Source for coordinates and place of retrieval
1782	L127	A	15	1/5	VIII	North of B113	Daviau 2002, 65
2007	L126/ID_184	B	44	20/40	VIII	B204	Daviau 2002, 68-69
1712	L123/ID_181		56	0.5/1	Topsoil	North of B204	Daviau 2002, 60-61
1106	L122	C	27	0.5/102	VII	B800	Daviau 2002, 60
1709	L120/ID_183		65	0.5/35	VII	B910/B905	Daviau 2002, 58-59
2199	L121/ID_077		74	12/28	VII	B910/B905	Daviau 2002, 59-60
1119	L119	E	54	13/110	VIIIA	B300 Room 303	Daviau 2002, 53-58
493	L124		55	19/45		B300 Room 302	Daviau 2002, 61-62
1375	L125		74	8/33	destruction layer of VIIIB	B300, doorway L, between Room 324 and 314	Daviau 2002, 62-64 Daviau 2003, 251

Fig. 2: Distribution of the figurines according to the place where they were found

## Field A and B

The main building at the border of Field A and B is building B102. This building is nearly rectangular and measures approximately 12 x 17 m. Numerous finds have a domestic character but male terracotta figurines were also yielded there (Daviau 2003, 133). TJ 1782/L127 was found in A15. This corresponds to the northern edge of Building B113 which was built east of B102. No complete room was excavated, but the assemblage of retrieved artefacts makes plain that the function of B113 was the same as that of B102 (Daviau 2003, 141-159).

## Field B

TJ 2007/ID\_184/L126 was retrieved in B44. B44 is located in Building B204 which is an eastwards continuation of Building B200. It is part of the inner casemate wall on the west side of the settlement. Two Rooms R 206 and R 203 leaned against Tower 2013, architecturally they were integrated to the casemate system, but vessels and a modest number of food preparation tools hint at a domestic context. TJ 1712/ID\_181/L123 is from B56 which is north of B204 (Daviau 2003, 194-204).

## Field C

The two nice buildings B800, B900 and B910 were excavated in Field C on the south side of the Tall. TJ 1106/L122 was found at the sift of C27 (Daviau 2003, 342) which belongs to B800. Its shape is somewhat irregular with maximum dimensions of 13,50 x 18 m. Nine rooms of various sizes are arranged around Central Hall 804. Ovens, large amounts of pottery,

spindle whorls, loom weights, grinding tools are characteristic of domestic food preparation, of storage as well as of household-level textile production (Daviau 2003, 287-343). The squares C43-C73 cover an area with a heavy walled structure. Structure B910 in Stratum VIIB and B905 in Stratum VIIA have a tripartite plan with three rows of rooms running north-south. The total length must have been about 15m. Gate Building B910 was transformed into an industrial and craft production center in Stratum VIIA (B905). The central doorway was closed and transformed in several rooms (Daviau 2003, 375-390). According to the square TJ 1709/ID\_183/L120 and TJ 2199/ID\_077/L121 were uncovered in B910 or B905 (Daviau 2001, 202-203).

#### Field E (fig. 3)

B300 is the only structure excavated in the northwest quarter of the Tall. Located immediately inside the inner wall of the casemate system, this structure consists of five rooms built up against the defensive wall. Six other rooms immediately to the south appear to have been an integral part of the same structure. B300 may actually not have been one unit but the alignment of three (Daviau 2003, 208-209).



Fig. 3: Plan of Building B300 in Field E in which three figurines were found, Daviau 2003, 209

TJ 1119/L119 was found in Room 303 in B300's western unit. Room 303 had cooking areas and food processing tools. From the floor domestic artefacts such as sherds of cooking pots, store jars, pithoi, red slipped bowls, jugs and juglets, a decanter, pounders and one basalt grinder were recovered (Daviau 1996, 86. Daviau 2003, 253-254 Stratum VIIIA). Another figurine TJ 493/L124 comes from Room 302, which is adjacent to Room 303 but part of the central unit. The figurine was sealed in position on Bench E55:24 by a layer of plaster with several miniature basalt tools, a ceramic strainer vessel, a perforated stone, store

jars and pithoi (Daviau 2003, 266). Other finds in this room are sherds of cooking pots, bowls, basalt saddle querns, millstones, pestles, pounders and mortars. The last figurine found in B300 is TJ 1375/L125. It was caught in the general debris in doorway L (Daviau 2003, 251).

All figurines from Tall Jawa were found in the domestic and industrial context of B102, B113, B200, B204, B300, B800, B900, B905 and B910. Accompanying artefacts are vessels such as cups, mugs, chalices, juglets, bowls, craters, lamps and miniatures as well as basalt trays and mortars, querns and millstones. This has led M. Daviau to reflect on the house cult, in which the figurines may have played an important role (Daviau 2001).

#### Bibliography

- Daviau, P.M.M., *The Fifth Season of Excavations at Tall Jāwā* (1994). A Preliminary Report, *ADAJ* 40, 1996, 83-100.
- Daviau, P.M.M., *Family Religion: Evidence for the Paraphernalia of the Domestic Cult*, in: P.M.M. Daviau, J.W. Wewers and M. Weigl (eds.), *The World of the Arameans II. Studies in History and Archaeology in Honour of Paul-Eugène Dion*, JSOT Suppl. Series 325, 2001, 199-229.
- Daviau, P.M.M., *Excavations at Tall Jawa, Jordan. Vol. II: The Iron Age Artefacts* (Culture and History of the Ancient Near East 11/2), Leiden, Brill, 2002.
- Daviau, P.M.M., *Excavations at Tall Jawa, Jordan. Vol. I: The Iron Age Town* (Culture and History of the Ancient Near East 11/1), Leiden, Brill, 2003.
- Daviau, P.M.M., *Discovering Iron Age Towns in Central Jordan. The Legacy of the Madaba Plains Project*, in: Clark, D.R., L.G. Herr, Ø.S. LaBianca, R.W. Yunker (eds.), *The Madaba Plains Project. Forty Years of Archaeological Research into Jordan's Past*, Sheffield/Oakville CT, Equinox, 2011, 164-182.

## objectif

- archiver + documenter II : enregistrer les photos



Cultural Heritage Imaging  
a nonprofit corporation

**Reflectance Transformation Imaging RTI / Imagerie par  
transformation de la réflectance ITR = méthode de photographie  
numérique avancée qui permet le rallumage interactif de l'objet de  
tous les angles par l'utilisateur**

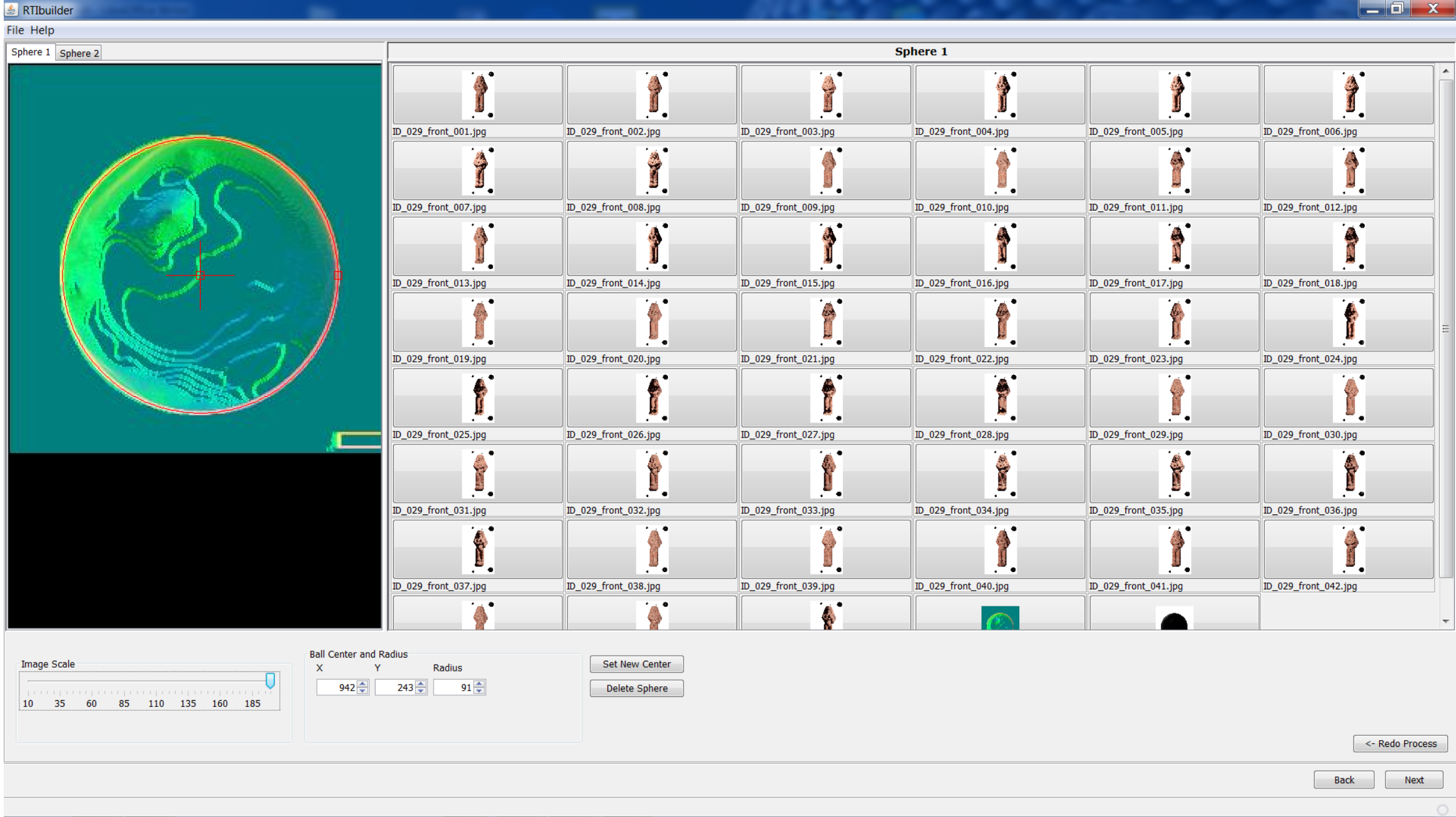




<http://culturalheritageimaging.org/Technologies/RTI/>



SCD s. 312, jeudi 10 septembre 2015, 9h à 11h



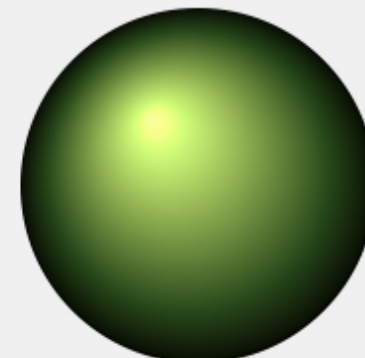


- **Organiser les données produites : réaliser un catalogue général**

ID\_029 front



351mm



Zoom

19%

Rendering mode

Specular Enhancement

Kd

Ks

N

File info

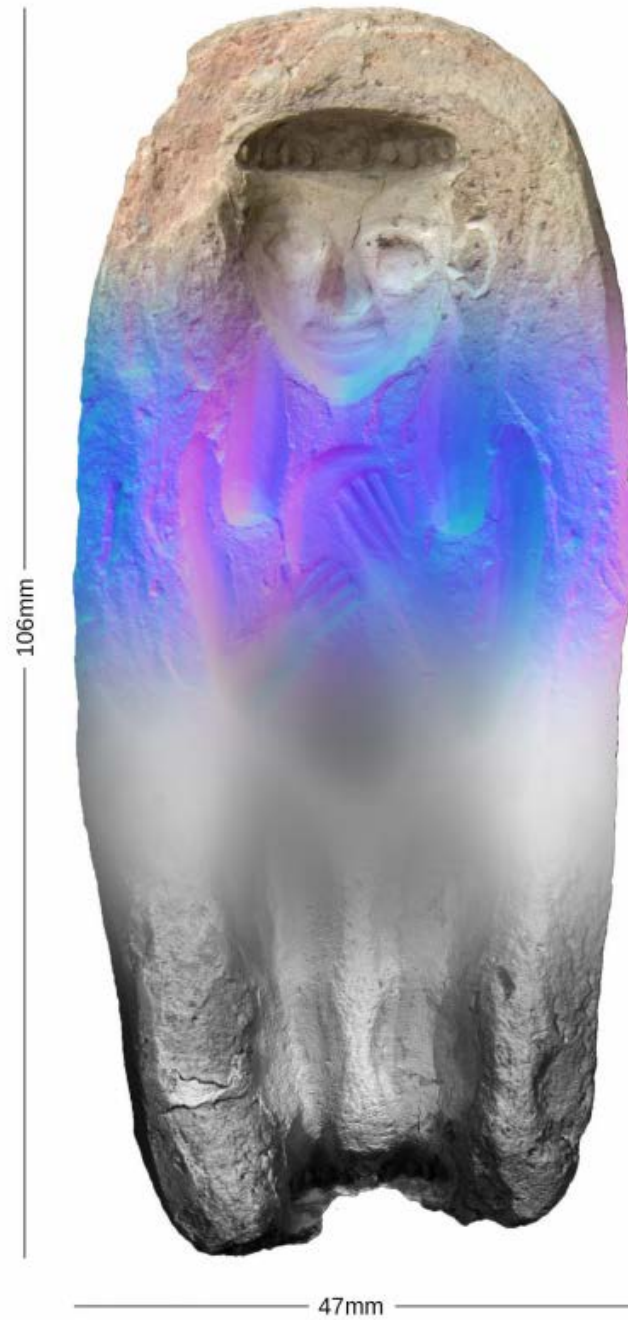
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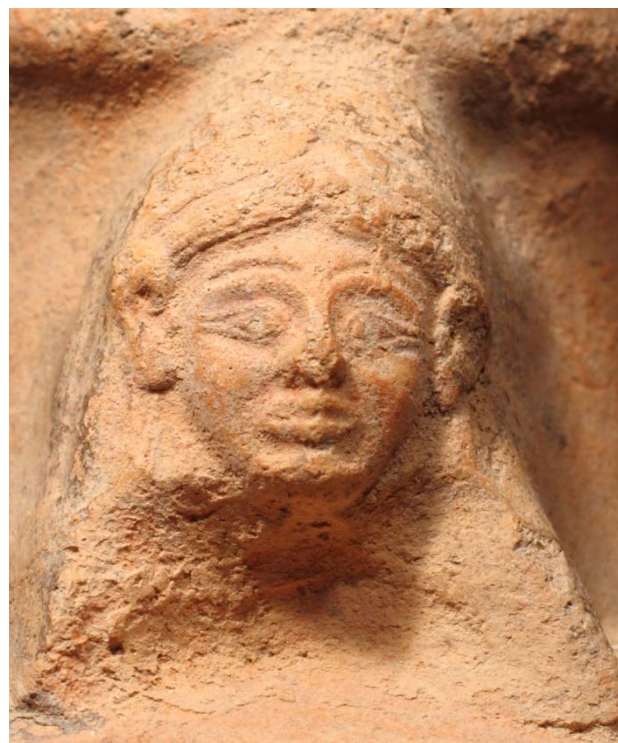
Format URTI HSH



ID\_055 inside



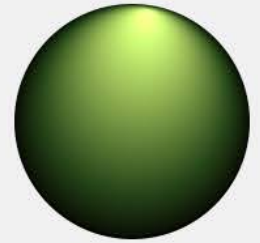




2015, 9h à 11h

Jug (University) - detail

10 mm



Light

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y 0,94

Zoom

35%

Pan

x 0

y 0

Rendering mode

Default

Navigator

Bookmarks

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Size 3106 x 2852

Format RTI HSH





(University) - detail

10 mm

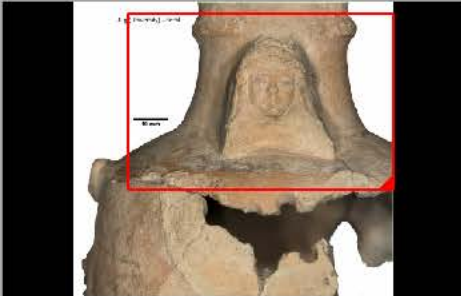
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y 119

Rendering mode  
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Navigator Bookmarks

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Size 3106 x 2852 Format RTI HSH







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Rendering mode

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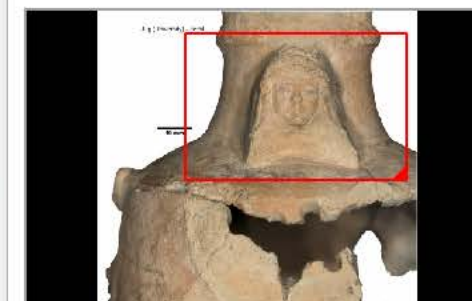
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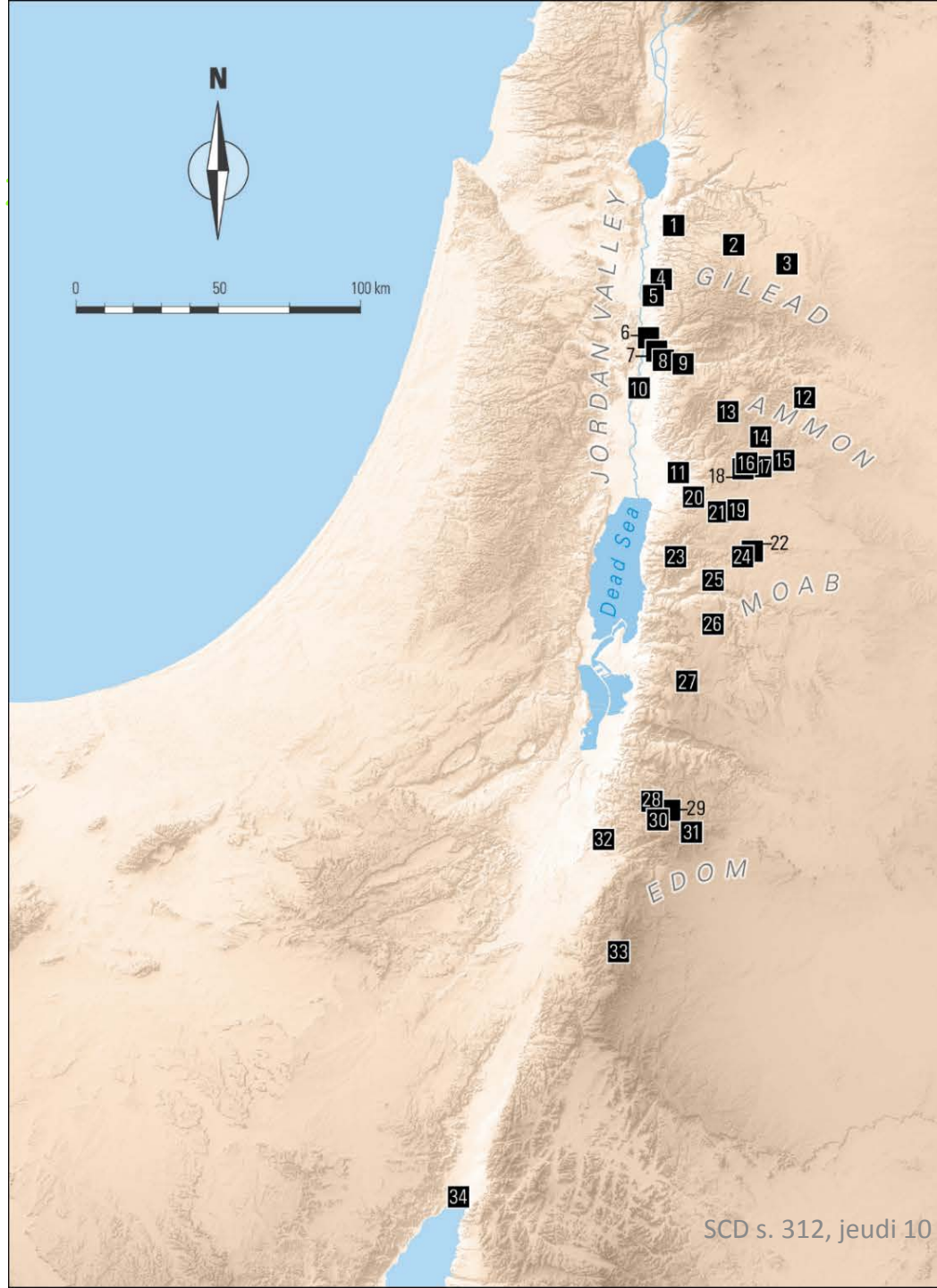
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Format RTI HSH



## **objectif**

- **valoriser les données : créer une typologie différenciée  
comme outil comparatif afin de pouvoir identifier la fonction  
et l'usage de ces artefacts**
- **situer ces figurines dans l'histoire culturelle du Levant Sud**



# Distribution according to sites

## GILEAD

- 1 Tall Zira`a
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## JORDAN VALLEY

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- 11 Tall al-Hammam

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Amman, Jabal al-Jofa ash-Sharqi
- 15 Sahab
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- 17 Tall Jawa
- 18 Hisban
- 19 Jalul

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- 23 Ataruz
- 24 Rujm ar-Rumayl South / WT 13
- 25 Dhiban
- 26 Balu` (North, Umm Dimis)  
Khirbat al-Balu` (South)
- 27 Karak (*region*)

## EDOM

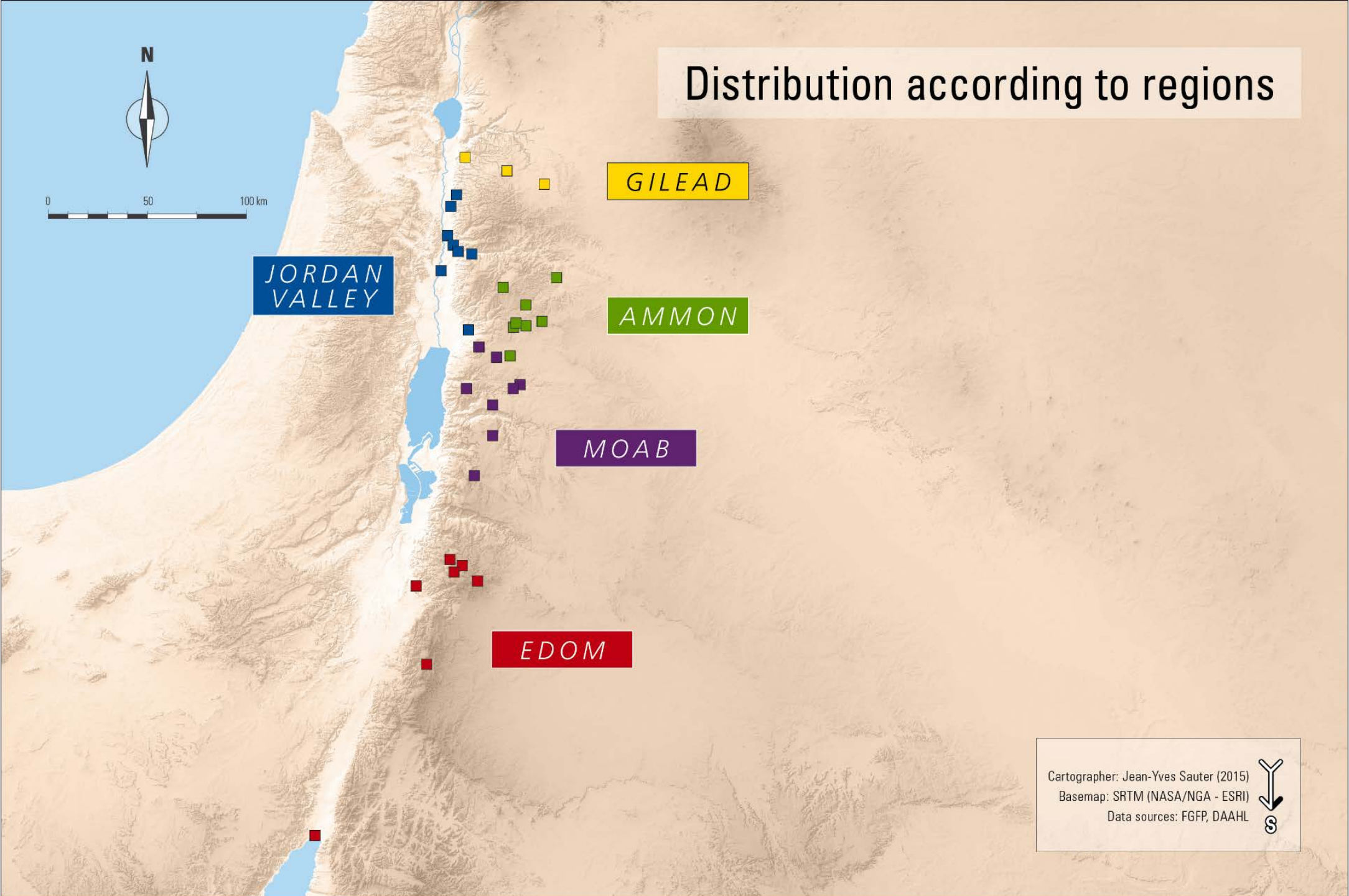
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- 34 Tall al-Khalayfa

Cartographer: Jean-Yves Sauter (2015)  
 Basemap: SRTM (NASA/NGA - ESRI)  
 Data sources: FGFP, DAAHL



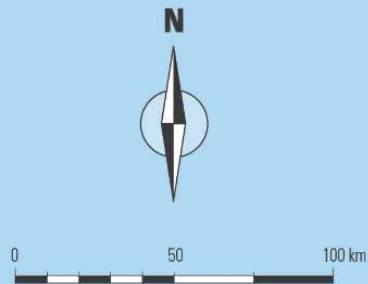


# Distribution according to regions





# Distribution according to types



*Amount of recorded figurines*

- from 1 to 4
- from 5 to 10
- from 11 to 30
- from 31 to 61

*AMMON type*

*MOAB type*

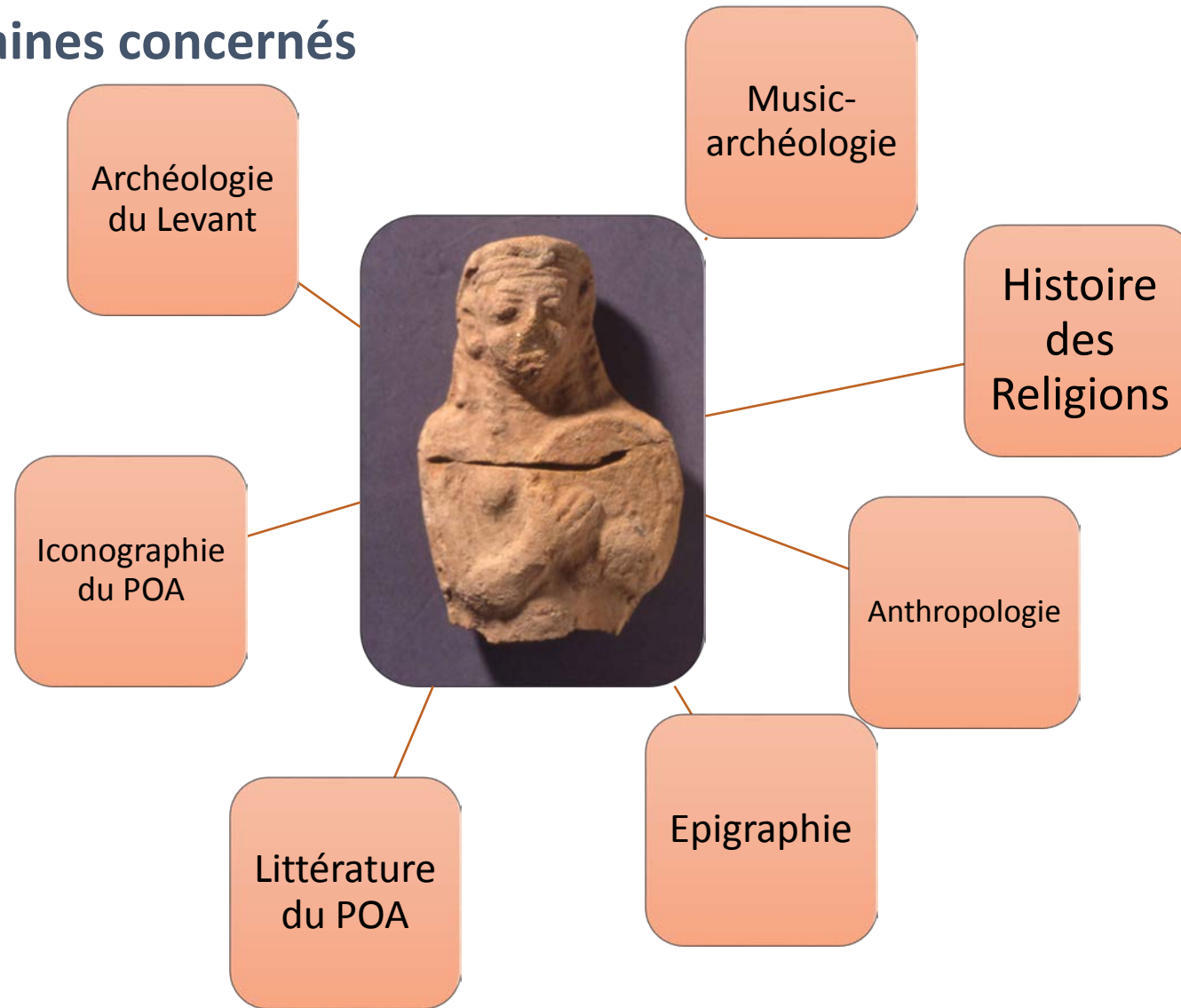
*EDOM type*



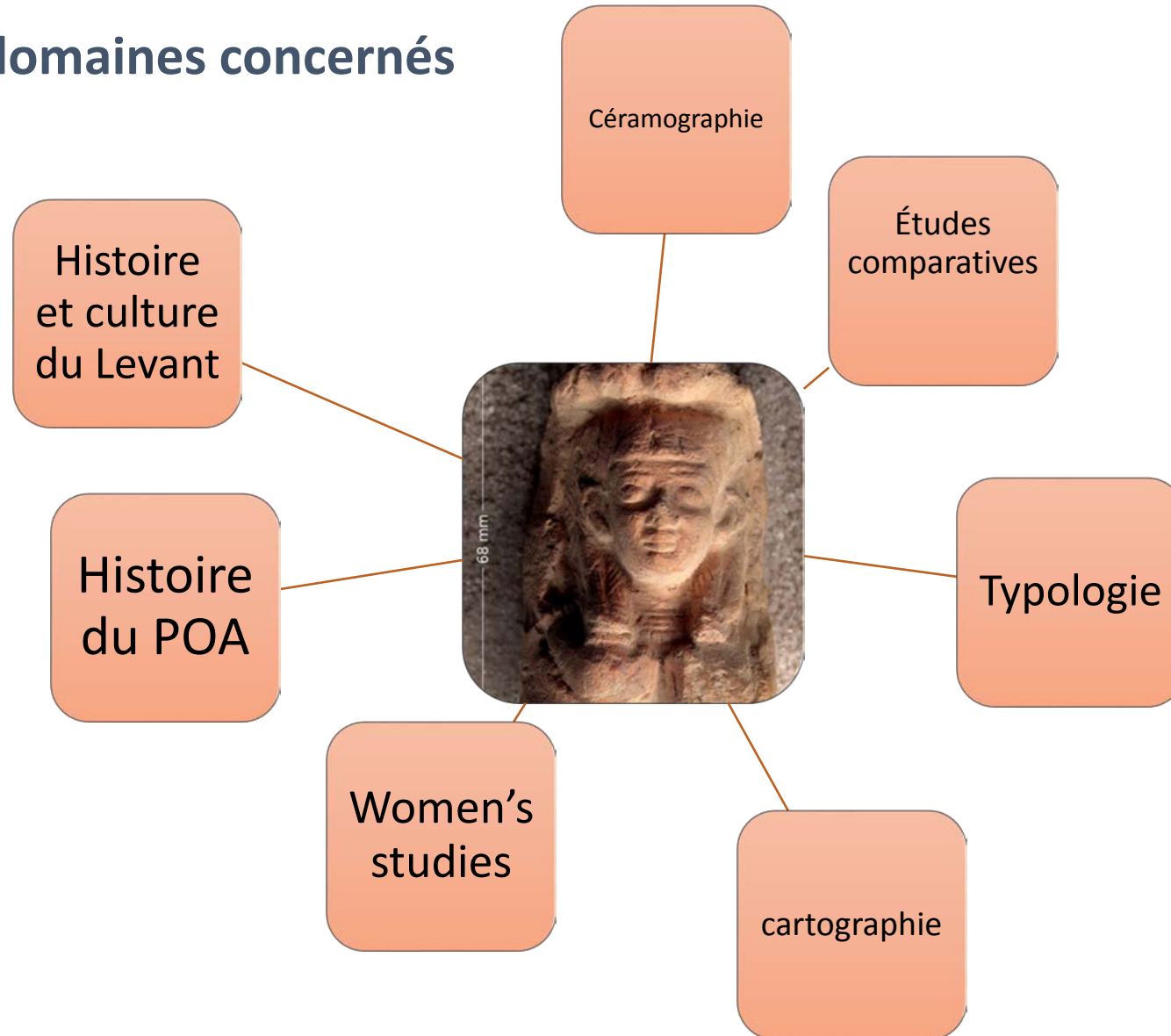
Cartographer: Jean-Yves Sauter (2015)  
Basemap: SRTM (NASA/NGA - ESRI)  
Data sources: FGFP, DAAHL  
Photographs: T. Graichen,  
© DoA Amman via FGFP



## Recherche : domaines concernés

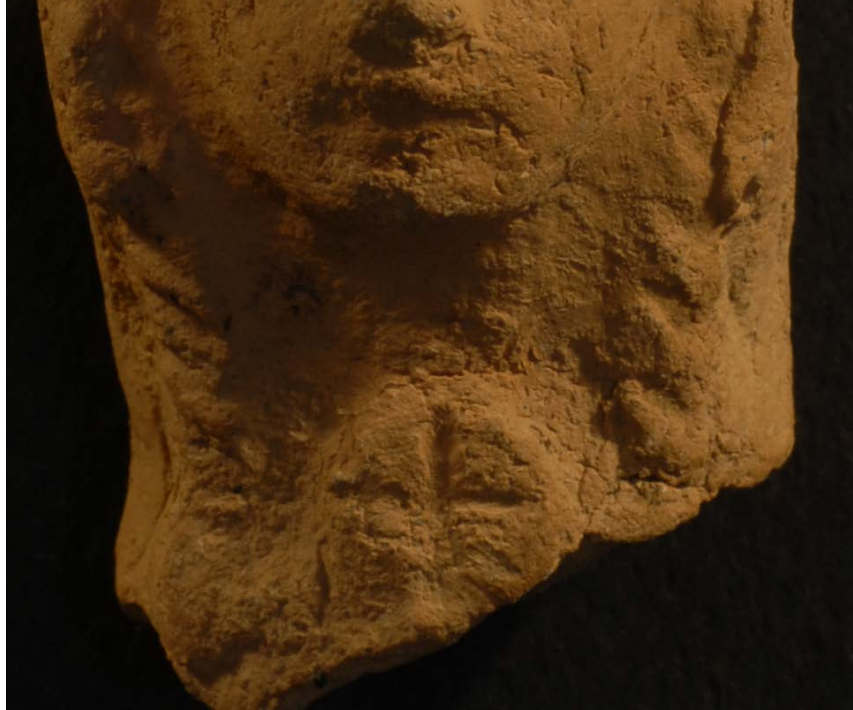


## Recherche : domaines concernés



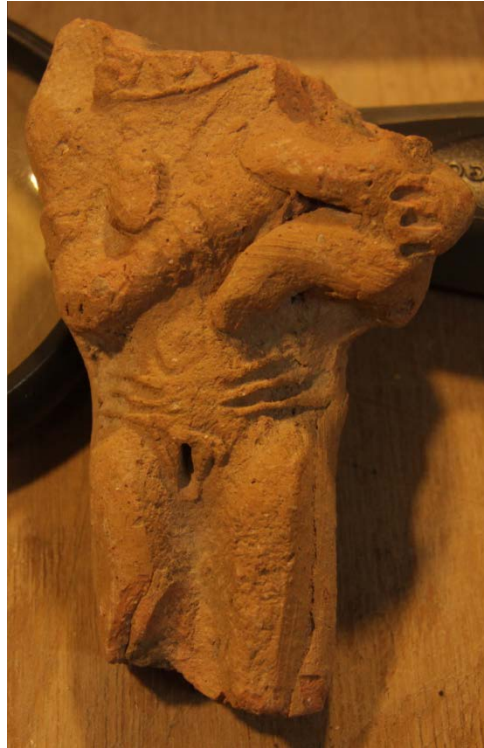


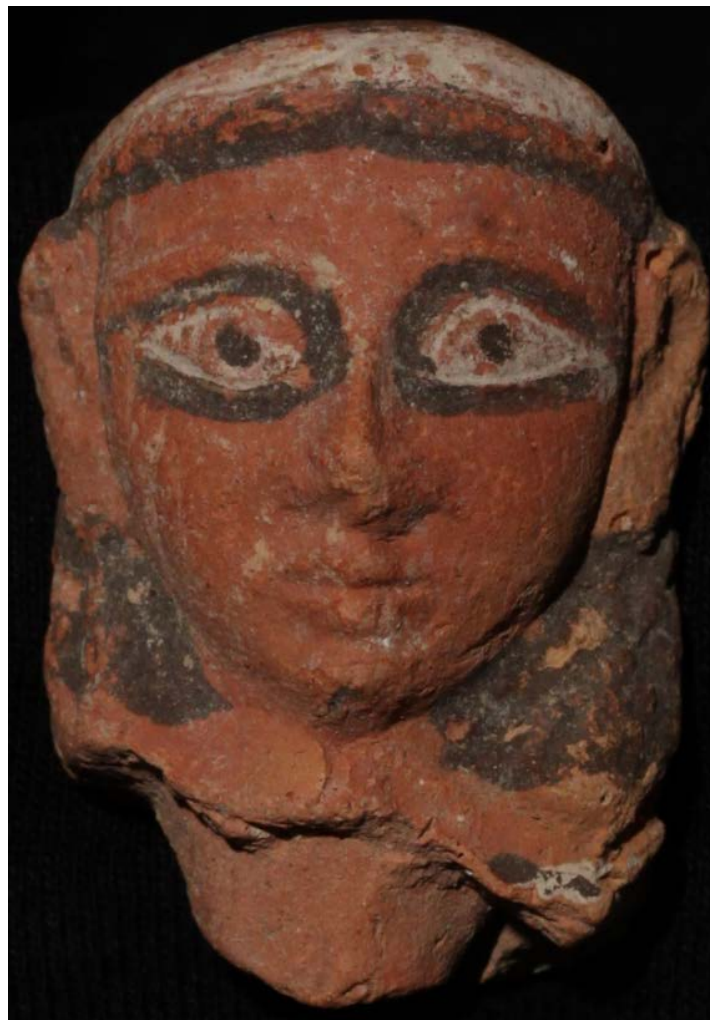
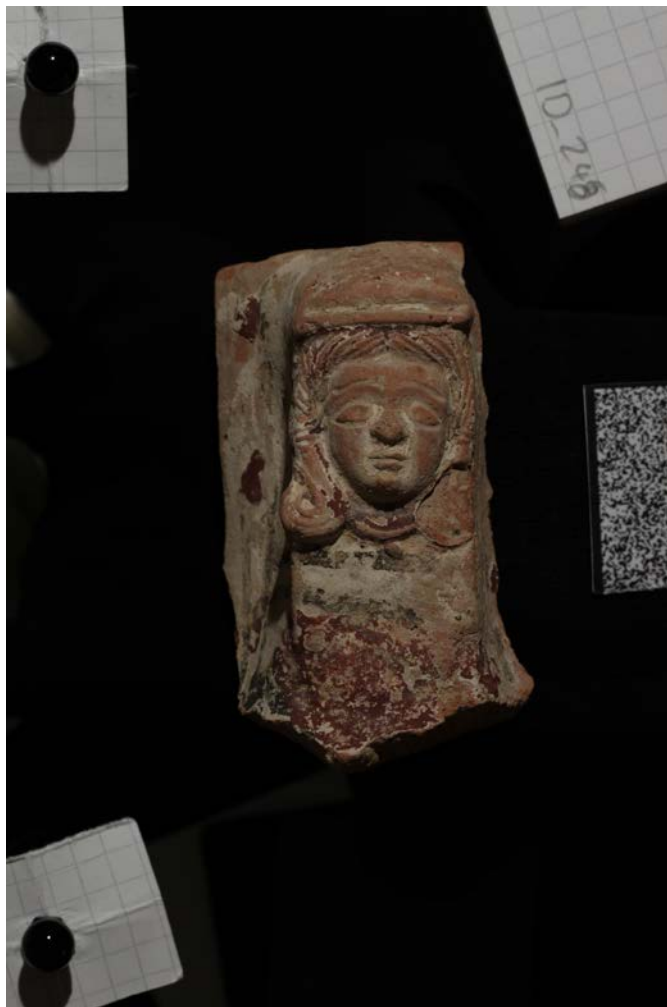
## Recherche: détails





## Recherche: détails

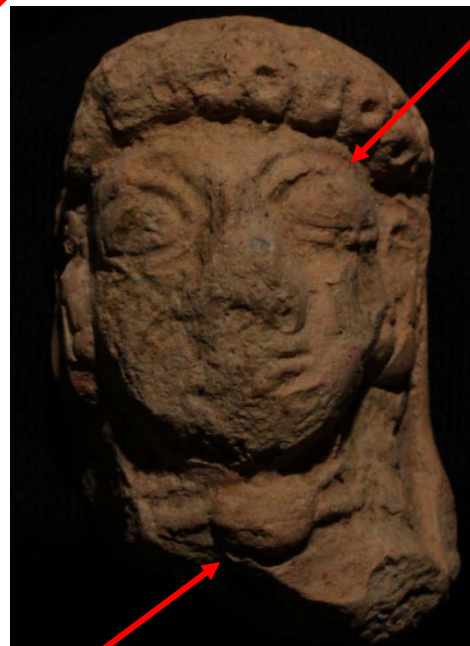




SCD s. 312, jeudi 10 septembre 2015, 9h à 11h



## analyses d'argile



SCD s. 312, jeudi 10 septembre 2015, 9h à 11h





## analyses d'argile







Shechem, Palestine

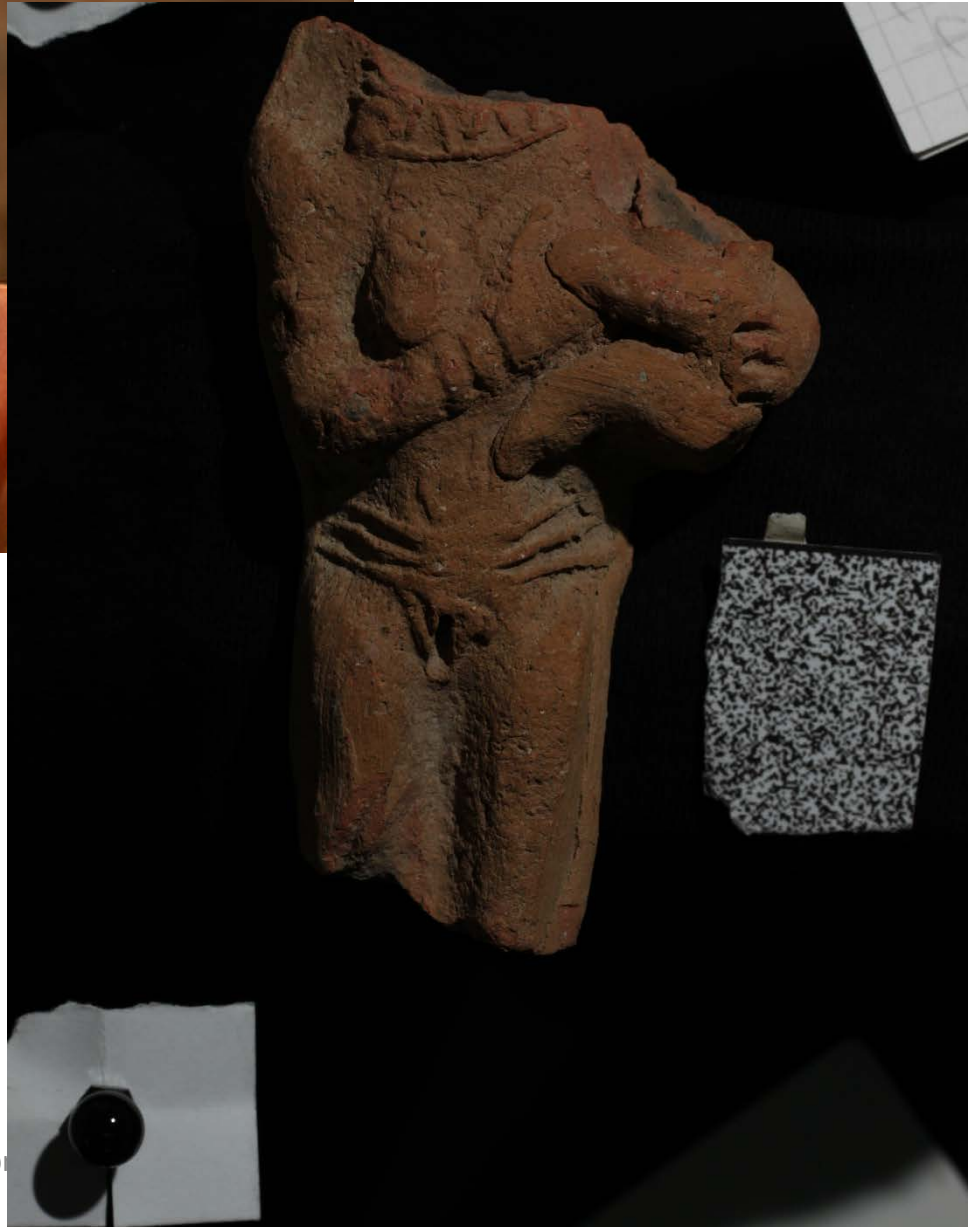


T. Dayr Alla, Jordan



T. al Umayri, Jordan





SCD s. 312, jeudi 10 septembre

<http://www.stephane-ostertag.fr/rti/>

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