Intensive Systematic Surveys in the Hinterland of Abila and Umm el-Jimal (*Dekapolis Region, Northern Jordan*)

Dominik Hagmann – Nora Voss
Amman, 29.09.2015
Historical Landuse and Landscape Reconstruction in the Dekapolis Region (Jordan)
Projected sites

2014: Abila

2015: Umm el-Jimal
What kind of raw data?

material culture

particularly small finds (pottery sherds, metal fragments...)

D. Hagmann – Photo: H. Liedl 2015
What kind of raw data?

spatial and nonspatial data

vectors

3D-points

qualitative and quantitative attributes

*tables* (numeric, text)

*total of finds, time, direction, visibility, fabric...*
method

tract survey | adaptive fields
example: 1 field, 4 plots, 3 tracts

6000 m² → 1200 m²
20% COVERAGE

D. Hagmann – N. Voss 2015
intensive systematic Hinterland-survey Umm el-Jimal 2015
Field | Plots | Tracts

D. Hagmann 2015

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
sampling process (Abila 2014)
bagging (Abila 2014)
Preliminary Pottery Report (N. Voss)