

# Radiolarites on Croatian Neolithic sites and possible sources

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Budapest, 30. 05. 2008.

- Complete technological and typological analysis on very few lithic assemblages from Stačevo and Sopot culture
- Almost complete absence of data about raw material sources

# Starčevo culture

- Industry based on blades, but no long blades
- Simple retouched tools and endscrapers
- Very few geometric form (but also, no sieving)
- Zadubravlje, Galovo, Djakovo, Virovitica, Cernička Šagovina
- Resembles early phases of Anzabegovo, Divostin and Golokut
- Complete absence of “Balkan flint”

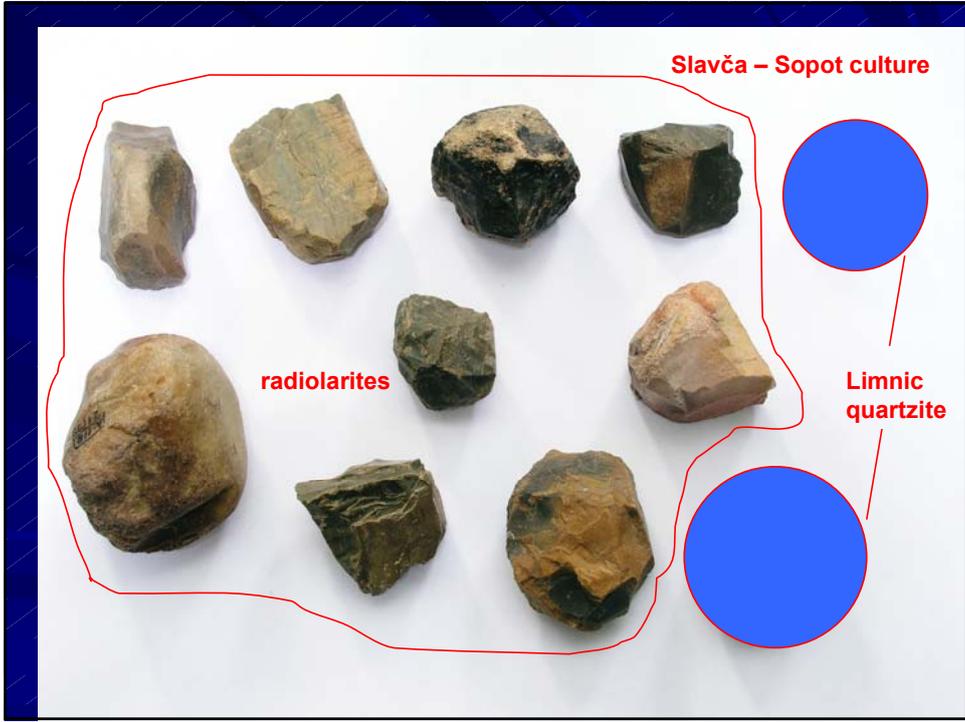


Galovo – Starčevo culture  
Red radiolarite



## Sopot culture

- Industry based on blades
- Retouched blades and end-scrapers predominate
- Samatovci Sopot (by J. Balen)
- Slavča, Ravnjaš, Blažević dol, Kruševica, Pebbles from the river beds – river Sava
- Limnic quartzites – much higher rate than in Starčevo where it occurs only sporadically – Slavonian mountains possible sources



## Slavča

- core depot (six cores stored in vessel)
- Raw material for cores could originate from the secondary deposits on the banks of river Sava – geochemical analysis



## Differences in raw material

- Starčevo culture – red radiolarites
- Sopot culture – limnic quartzites, pebbles from the river

## Provenance of raw material

- Possible outcrops in Slavonian mountains,
- Bosnian mountains – Prosara, Motajica, Ozren
- Raw material mostly pebbles collected from the river beds (Sava, Drava)
- Import of Mecsek radiolarites and Charpatian I obsidian - Samatovci (Baln, Burić)
- Szentgal radiolarite in Zadubravlje

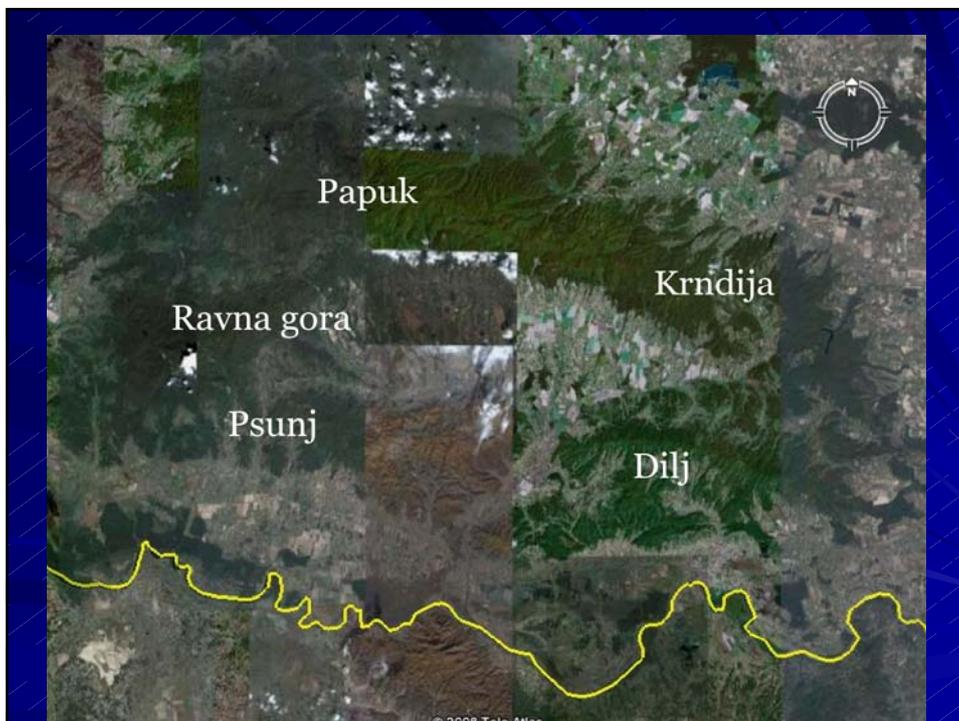
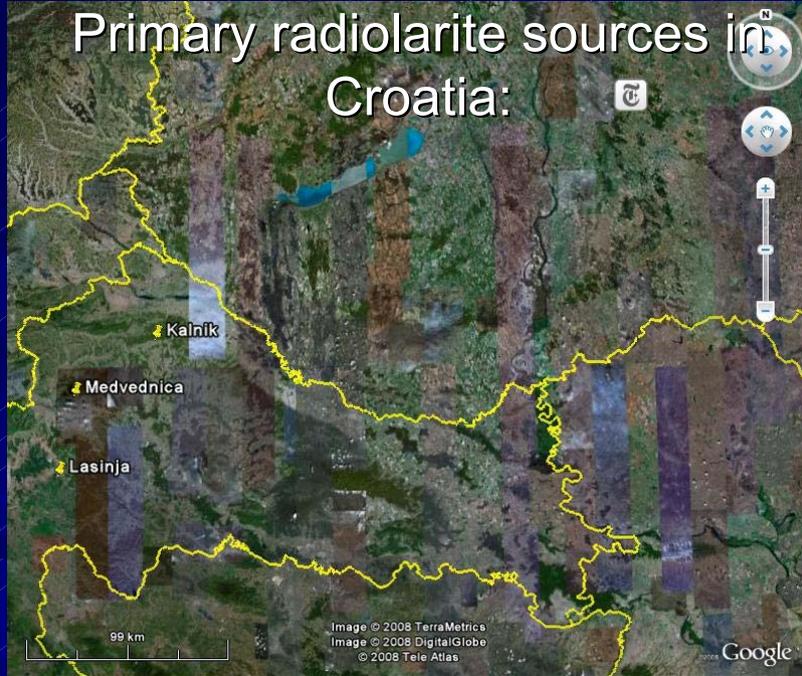




## Distances

- Dobož – Galovo (Slavonski Brod) – cca 45 km
- Mouth of river Bosna – Galovo (Slavonski Brod) – cca 35 km
- Mouth of river Bosna – Zadubravlje – cca 25 km
- Dobož – Zadubravlje – cca 45 km

# Primary radiolarite sources in Croatia:



## Current analysis

- Samples in Vancouver – ACME Analytical Laboratories – ICP-AES Inductively coupled plasma-atomic emission spectroscopy
- geochemical analysis at the Croatian Geological Survey

## Goals

- Exclude or confirm Slavonian Mountains as possible sources
- Compare samples from vicinity of Doboj with artifacts from Starčevo sites
- Obtain samples from Motajica and Prosara
- Compare artifacts from Starčevo sites with radiolarites from Hungary