PERSISTENT IDENTIFIERS
OF TEXTUAL SEGMENTS AS
A SCHOLARLY PROBLEM

Neven Jovanović (neven.jovanovic@ffzg.hr)
RDA meets Croatian researchers, 24 October 2017, Zagreb, Croatia

This page: croala.ffzg.unizg.hr/rda-citation-research
A COMMUNITY OF PEOPLE WORKING WITH TEXTS
CITATIONS ARE DATA
MARK 2:15
PLATO IN THE REPUBLIC CRITICIZES THE DIVISION OF LABOR BASED ON SEX (454D-456B).
CANONICAL TEXT SERVICES PROTOCOL (CTS)
A STANDARD APPROACH TO AUTOMATICALLY LINK CTS URNS WITH APIs WHICH RESOLVE THEM

The CTS-Handles Proposal
USE CASES 1: USER

As a user I want a CTS Work URN (with a passage reference) to resolve to a list of URLs serving editions and translations of this work.

As a user I want a CTS Edition/Translation URN with a passage reference to resolve to a list of URLs at which I can retrieve that passage.

As a user I want a CTS Edition/Translation URN which has been retired/replaced to resolve to a list of URLs for the replacement edition/translation.
USE CASES 2: PUBLISHER

As a publisher I want to be able to publish a edition or translation URN for a text that in a namespace that is managed by another publisher.

As a publisher I want to be able to provide a single URL at which all CTS URN identified texts I publish are available.

As a publisher I want to be able to provide URLs at which subsets of CTS URN identified texts I publish are available.
HANDLE / DOI

ARK

URN / URN:NBN

PURL
SEMANTICALLY EXPRESSIVE BOTH FOR HUMANS AND FOR MACHINES
THE CTS-HANDLES PROPOSAL

a technical challenge: combine the Handle system with the CTS protocol

a management challenge: add a governance structure for it

the goal: a consumer of a CTS URN can get to its text segment without having to know where and how a publisher resolves the URN
A standard approach which allows for distributed publishing but centralized management of the URN resolution.
Centralized Handle System Provider (CHSP) - one or more organizations assuming responsibility for registering and administering Handle prefixes for CTS Namespaces

Participating CTS Text Publisher (PCTP) - a publisher of CTS URN identified texts who wants their text URNs to be globally resolved by the Handle System

hdl.handle.net provider (HDL) - the provider of the global hdl.handle.net proxy service

Non-Participating CTS Text Publisher (NPCTP) - a publisher of CTS URN identified texts who does not want to participate in the centralized solution but wants to publish a Handle for their text
A DISCUSSION ABOUT THE CROATIAN RESEARCH INFRASTRUCTURE IN SOME OF THE PROPOSED ROLES