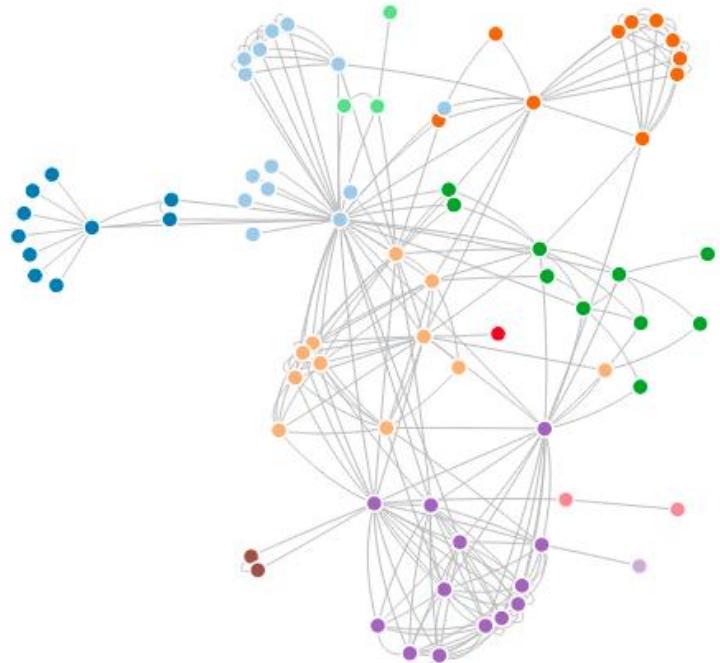


Projekt ARTNET

Primjer vizualizacije društvenih mreža
u povijesti umjetnosti

dr. sc. Artur Šilić
Nikola Bojić, doktorand



Sedmi festival hrvatskih digitalizacijskih projekata
Nacionalna i sveučilišna knjižnica u Zagrebu, 27. - 28. travnja 2017.

Projekt ARTNET

Predmet istraživanja

- Organizacijski i komunikacijski modeli suradničkih umjetničkih praksi 20. i 21. stoljeća
- Lokalni umjetnički i arhitektonski fenomeni obilježeni razmjenom s drugim europskim zajednicama

Osnovne informacije

- Četverogodišnji istraživački projekt **HRZZ-a**
- Interdisciplinarni projekt
- Istraživački tim – **IPU, FFST, FFZD, neovisni istraživač**

Projekt ARTNET

1. Povijest umjetnosti
(povjesnoumjetnička analiza i interpretacija)
2. **Modeliranje baze podataka: CAN_IS**
(analiza i kreiranje relacijske baze podataka)
3. **Modeliranje i vizualizacija mreža:
časopis Život umjetnosti 99**
(mrežna teorija, analiza i vizualizacija)

List of all persons

- Persons**
- Institutions
- Publications
- Magazines
- Exhibitions
- Letters
- Artworks
- Artists groups
- Platforms
- Architectural competitions
- Funding
- Social contacts
- Historical events
- Concepts
- Thesauri
- Places
- Users**
- Sign out**

 Language settings

Person name	<input type="text"/>	
From	<input type="text"/>	until <input type="text"/>
Medium	<input type="button" value="▼"/>	
Profession	<input type="button" value="▼"/>	
Sorting <input type="button" value="Alphabetically"/>		<input type="button" value="Search"/>

Name	Medium	Life time	Place of birth	Edit	Delete
A(nton) Zagoda	grafički dizajn, produkt dizajn	—		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Abraham A. Moles	filozofija - estetika	1920.-22.5.1992.	Paris	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Abraham Efros Markovich	likovna kritika	21.4.1888.-19.11.1954.	Moscow	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Abraham Palatnik	slikarstvo	1928.-	Tel Aviv	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Achille Bonito Oliva	publicistika, povijest umjetnosti, teorija umjetnosti	4.11.1939.-	Caggiano	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Aco Lavrenčić	—	—		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Ad Reinhardt	slikarstvo	24.12.1913.-30.8.1967.	Buffalo, New York	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Ada Felice	arhitektura	1921.-2013.	Sušak	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adamo Vergine	likovna kritika, eksperimentalni film	—		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adolf Fényes	slikarstvo	1867.-1945.	Kecskemét	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adolf Lantz	—	30.11.1882.-19.8.1949.	Wien, Republika Austrija	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adolf Loos	arhitektura, teorija arhitekture	10.12.1870.-23.8.1933.	Brno	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adolf Vukotić	—	—		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adolf Waldinger	slikarstvo	16.6.1843.-7.12.1904.	Osijek	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Adolf Zillmann	slikarstvo	1925.-	Berlin, Republika	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

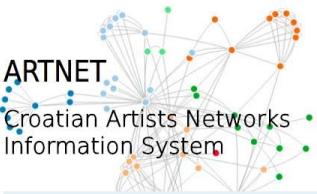
Editing person Almir Mavignier

Persons
Almir Mavignier
Institutions
Publications
Magazines
Exhibitions
Letters
Artworks
Artists groups
Platforms
Architectural competitions
Funding
Social contacts
Historical events
Concepts
Thesauri
Places

Name	Almir
Surname	Mavignier
Sex	<input checked="" type="checkbox"/> M <input type="checkbox"/> F
Date of birth	1.5.1925.
Date of death	
Place of birth	Rio de Janeiro ▾
Place of death	▼
Profession	umjetnik
Medium	slikarstvo grafika op-art konkretna umjetnost
Nationality	brazilska ▾
Ethnicity	
Citizenship	Federalna republika Brazil Republika Francuska
External link	

Exhibitions
Artists groups
Citizenship
Places of residence
Alternative names
Roles in publications
...
Social contacts

Editing magazine Arhitektura (Zagreb)



Persons
Institutions
Publications
Magazines
Arhitektura (Zagreb)
Exhibitions
Letters
Artworks
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Thesauri
Places

Title	Arhitektura (Zagreb)
Full title	
Beginning of publishing	1947
End of publication	2008
Publishers (institutions)	Savez arhitekata Hrvatske
Publishers (persons)	
Publishers (artists groups)	
Means of distribution	maloprodaja poštom

Edition series	
Publishing institutions	Savez arhitekata Hrvatske
Roles of persons in magazine	<p>Neven Šegvić, glavni urednik, 1947.-'51.</p> <p>Vladimir Antolić, glavni urednik, 1951.-'53.</p> <p>Vojtjeh Delfin, glavni urednik, 1965.-'70.</p> <p>Marijan Hržić, glavni urednik, 1982.-'86.</p>

Editions

Editing exhibition Izložba Udruženja umjetnika Zemlja



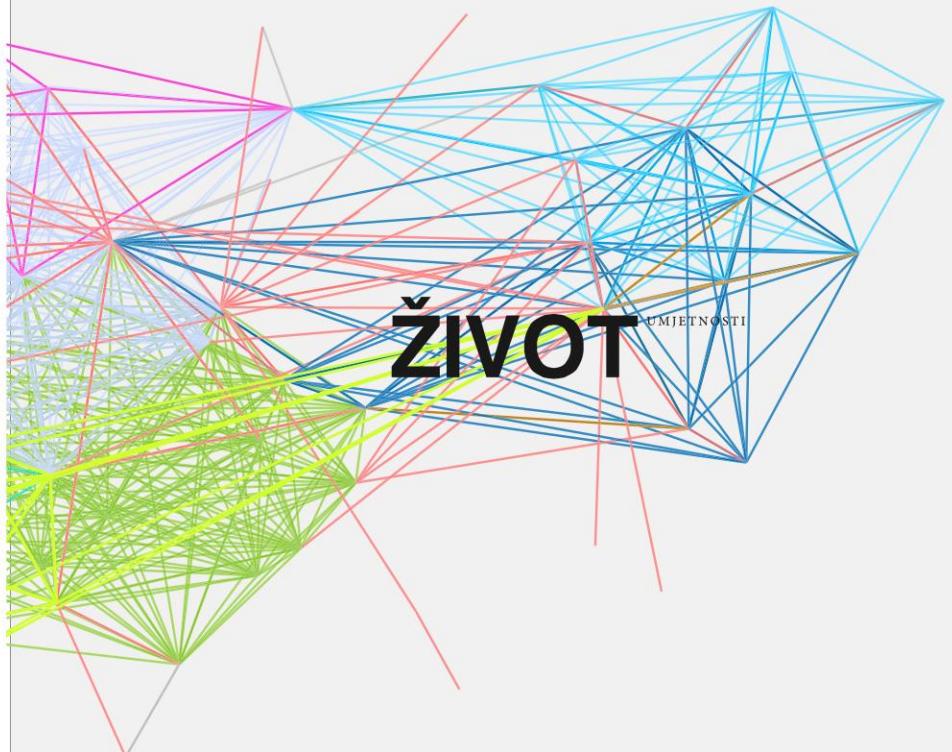
Persons
Institutions
Publications
Magazines
Exhibitions
Izložba Udruženja umjetnika Z...
Letters
Artworks
Artists groups
Platforms
Architectural competitions
Funding
Social contacts
Historical events
Concepts
Thesauri
Places

Name	Izložba Udruženja umjetnika Zemlja
Type of exhibition	skupna
Beginning	5.11.1929.
End	14.11.1929.
Description	Prva izložba Udruženja Umjetnika Zemlja. Na naslovni kataloga tiskan je Manifest.
Description of venue	Salon Ullrich, Zagreb
Number of visitors	
Travelling	
Interior	<input checked="" type="checkbox"/>
Exterior	
Periodical	
Non-institutional	



Places of other events
 Activities
 Roles of institutions
 Organizers
 Participants
 Exhibition posters
 Exhibited artwork

ČASOPIS ZA SUVREMENA LIKOVNA ZBIVANJA



MAGAZINE FOR CONTEMPORARY VISUAL ARTS

DIGITALNA POGIJEST UMIJETNOSTI

12/2016. 99

DIGITAL ART HISTORY

Život umjetnosti, 99 / 2016.

Institut za povijest umjetnosti u Zagreb





TEMAT
DIGITALNA
POVIJEST
UMJETNOSTI
– OBLIJEŽJA,
PROBLEMI
I PERSPEKTIVE

RAZMIŠLJANJA
O DIGITALNOJ
POVIJESTI
UMJETNOSTI

UDRUŽENJE
UMJETNIKA
ZEMLJA
(1929-1938) I
UMJETNIČKO
UMREŽAVANJE

CIAM NETWORKING
– MEDUNARODNI
KONGRES MODERNE
ARHITEKTURE I
HRVATSKI ARHITEKTI
1950-IH GODINA

REKONSTRUKCIJA PERSONALNE
MREŽE ALMIRA MAVIGNIERA I
NJEZINA RELACIJA PREMA PROVJ
IZLOŽBI NOVIH TENDENCIJA.
PRIMJER PRIMJENE MREŽNE
ANALIZE I MREŽNE VIZUALIZACIJE
U POVIJESTI UMJETNOSTI

8 LJILJANA
KOLESNIK

18 PAMELA
FLETCHER

26 PETAR
PRELOG

30 TAMARA
BJAŽIĆ KLARIN

56 LJILJANA KOLESNIK
NIKOЛА BOJIĆ

ARTUR ŠILIĆ

RECONSTRUCTION OF ALMIR
MAVIGNIER'S PERSONAL NETWORK
AND ITS RELATION TO THE FIRST
NEW TENDENCIES EXHIBITION. THE
EXAMPLE OF THE APPLICATION OF
NETWORK ANALYSIS AND NETWORK
VISUALISATION IN ART HISTORY



GODIŠNJE IZLOŽBE
SOROS CENTRA
ZA SVREMENU
UMJETNOST ZAGREB
KAO MJESTO
UMREŽAVANJA

UMJETNIČKO
DJEO U
UMREŽENOM
SVIJETU

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KONTEKSTUALIZACIJA,
MUZEALIZACIJA
I EKONOMSKO
UVJETOVANJE

SADRŽAJ / BR. 99

78 ŽELJKA TONKOVIĆ
SANJA SEKELJ

94 MAJA
STANKOVIĆ

110 ANA BEDENKO
MARTA BANIĆ

114 IRENA
BORIĆ

122 RENATA
ŠPARADA

CONTENTS / NO. 99

ANNUAL EXHIBITIONS
OF THE SOROS
CENTER FOR
CONTEMPORARY ART
ZAGREB AS A PLACE
OF NETWORKING

AN ARTWORK
IN A
NETWORKED
WORLD

"A photograph can, by the addition of an unimportant spot of color, become a photomontage, a work of art..."
John Heartfield



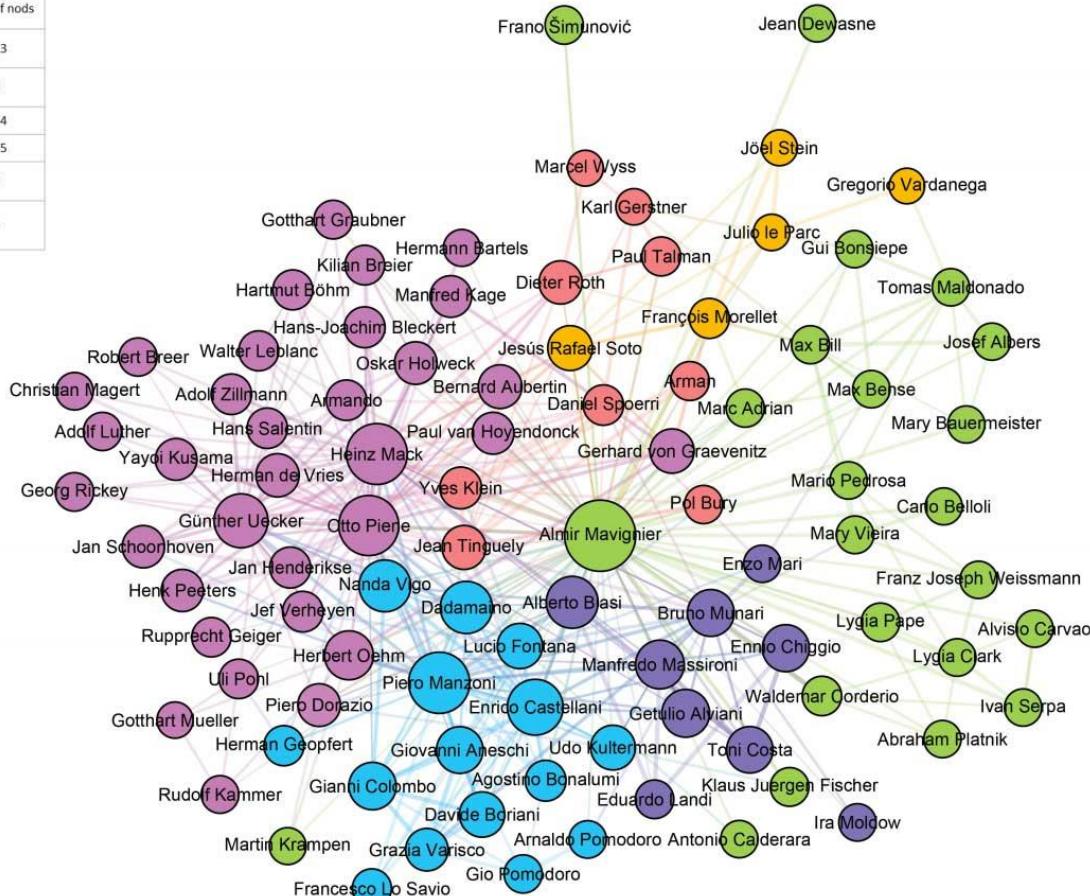
John Heartfield, *Adolf The Superman-Swallows Gold And Spits Tin*, Berlin (1932)

"My montages were intended as weapons in this time of war in peace by us against the Nazi regime, and conversely, they were indicative of the war that the Nazis had already inaugurated during the so-called peace."
John Heartfield (1945)



He exhibits his first contemporary photo-montage "After Ten Years – Fathers and Sons" in the window of the Malik book shop in Berlin. The montage is the artist's reaction to the tenth anniversary of World War One. With George Grosz, Rudolf Schlichter, and Erwin Piscator, Heartfield founds the Rote Gruppe (Red Group) in Berlin.

Almir Mavignier personal network modular structure		
group color	group name	number of nods
1	Mavignier centred group	23
2	Arte programmata grup	8
3	Gallery Azimut group	14
4	ZERO group	35
5	French New Realism group	9
6	GRAV group	5



SLIKA 2
VIZUALIZACIJA MODULARNE STRUKTURE PERSONALNE UMJETNIČKE MREŽE ALMIRA MAVIGNIERA OKO GODINE 1960. MREŽU ČINE 94 OSOBE POVEZANE S 533 PRIJATELJSKIM, RADNA I POSLOVNA KONTAKTA, A VRSTA I SNAGA TIH KONTAKATA REZULTIRALA IZDVAJANjem NEKOliko ZASEBNIH GRUPA (MODULE MREŽE), OPISANIH U TABLU UZ LJEVI RUB PRIKAZA. AUTORICA VIZUALIZACIJE: LJILJANA KOLEŠNIK, 2016. (OPEN-ACCESS PROGRAMSKI PAKET GEPHY 0.9.1).

REKONSTRUKCIJA PERSONALNE MREŽE ALMIRA MAVIGNIERA I NJEZINA RELACIJA PREMA PRVOJ IZLOŽBI NOVIH TENDENCIJA. PRIMERJ PRIMJENE MREŽNE ANALIZE I MREŽNE VIZUALIZACIJE U POVIJESTI UMJETNOSTI^{1/2}

LJILJANA KOLEŠNIK / NIKOLA BOJIĆ / ARTUR ŠILIC

RECONSTRUCTION OF ALMIR MAVIGNIER'S PERSONAL NETWORK AND ITS RELATION TO THE FIRST NEW TENDENCIES EXHIBITION. THE EXAMPLE OF THE APPLICATION OF NETWORK ANALYSIS AND NETWORK VISUALISATION IN ART HISTORY^{1/2}

FIGURE 2
ALMIR MAVIGNIER'S PERSONAL NETWORK AROUND THE YEAR 1960. THE NETWORK CONSISTS OF 94 PERSONS (NODES) ASSOCIATED BY 533 FRIENDLY, WORKING AND BUSINESS RELATIONSHIPS (EDGES). THE TYPE AND STRENGTH OF RELATIONS RESULTED IN FORMATION OF SEVERAL GROUPS (MODULES) WITHIN THE NETWORK, WHICH ARE DESCRIBED IN THE TABLE AT THE LEFT SIDE OF THE IMAGE. AUTHOR OF THE VISUALISATION: LJILJANA KOLEŠNIK, 2016 (OPEN-ACCESS PROGRAM PACKAGE GEPHY 0.9.1).

SLIKA 1
 VIZUALIZACIJA ZAGREBAČKE ARHITEKTONSKE SCENE 1950-IH TEMELJI SE NA DVJU JAVNIM PLATFORMA PROFESSIONALNOG DJELOVANJA – ARHITEKTONSKIM I URBANISTIČKIM NATJEČAJIMA I ČLANICIMA OBјAVLJENIJEM U CASOPISU ARHITEKTURA U RAZDODBLJU OD 1945. DO 1959. GODINE, NA PRIKAZU SU JASNO VIDJIVI DVA GLAVNA POLA – GRUPA ARHITEKATA DJELATNIH NA ARHITEKTONSKOM FAKULTETU, KOJIMA SU PRIDRUЖENI I ČLANOVI GRUPE EXAT-51, I ARHITEKTI UKUPLJENI U DRŽAVNOJ MAJSTORSKOJ RADIONICI ZA ARHITEKTURU DRAGE IBELERA. AUTOR VIZUALIZACIJE: ARTUR ŠILIC, 2016.

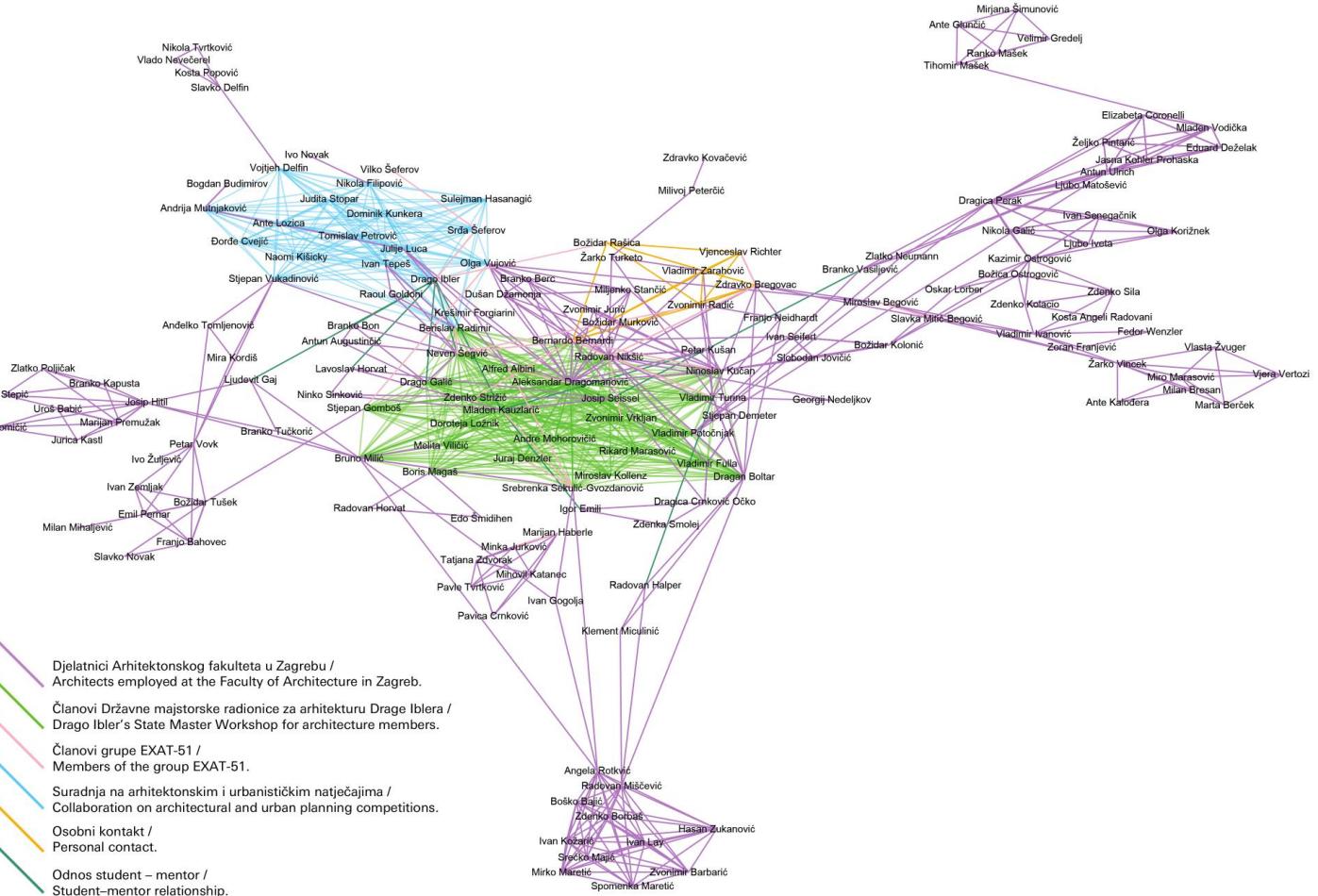
CIAM NETWORKING

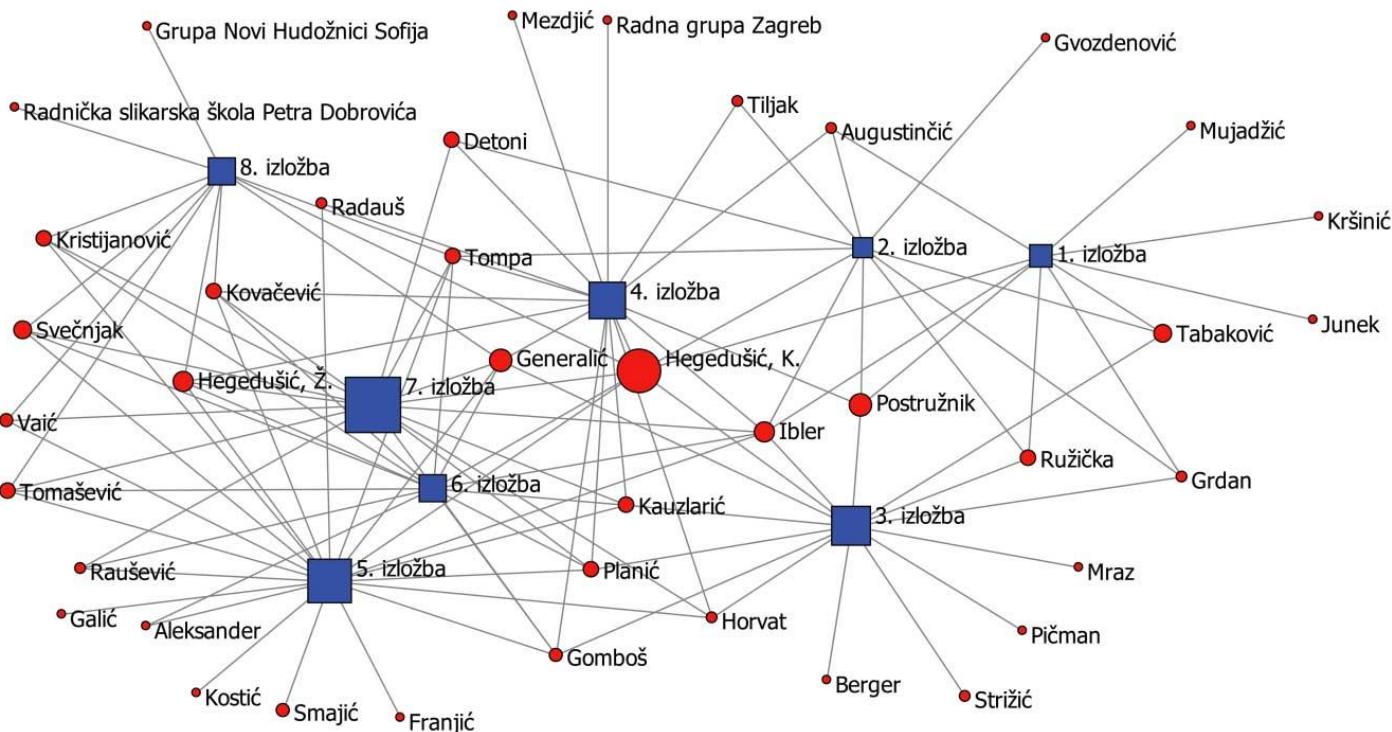
- MEĐUNARODNI KONGRES MODERNE ARHITEKTURE I HRVATSKI ARHITEKTI 1950-IH GODINA
-

TAMARA**BJAŽIĆ KLARIN**

- CIAM NETWORKING
- INTERNATIONAL CONGRESS OF MODERN ARCHITECTURE AND CROATIAN ARCHITECTS IN THE 1950'S

FIGURE 1
 VISUALIZATION OF ZAGREB ARCHITECTURAL SCENE IN THE 1950'S IS BASED ON TWO PUBLIC PLATFORMS OF PROFESSIONAL ACTIVITIES – ARCHITECTURAL AND URBAN PLANNING PUBLIC COMPETITIONS, AND ARTICLES PUBLISHED IN JOURNAL ARHITEKTURA. THERE ARE TWO DISTINGUISHING GROUPS – THE GROUP OF EMPLOYEES AT THE FACULTY OF ARCHITECTURE INVOLVED WITH THE EXAT-51 GROUP MEMBERS, AND THE GROUP OF ARCHITECTS GATHERED AROUND DRAGO IBELER'S STATE MASTER WORKSHOP FOR ARCHITECTURE. AUTHOR OF THE VISUALISATION: ARTUR ŠILIC, 2016.





SLIKA 2
MREŽA UDRUŽENJA UMJETNIKA
ZEMLJA PREMA BROJU IZLOŽENIH
RADOVA. AUTORICA VIZUALIZACIJE:
ŽELJKA TONKOVIĆ, 2016. (STEPHEN
P. BORGATTI, NETDRAW NETWORK
VISUALISATION, HARVARD, MA,
ANALYTIC TECHNOLOGIES, 2002.).

UDRUŽENJE
UMJETNIKA ZEMLJA
(1929. – 1935.)
I UMJETNIČKO
UMREŽAVANJE

**PETAR
PRELOG**

**THE ASSOCIATION OF
ARTISTS ZEMLJA
(1929–1935) AND
ARTIST NETWORKING**

FIGURE 2
ASSOCIATION OF ARTISTS ŽEMLJA'S
NETWORK ACCORDING TO THE
NUMBER OF EXHIBITED WORKS.
AUTHOR OF THE VISUALISATION:
ŽELJKA TONKOVIĆ, 2016 (STEPHEN
P. BORGATTI, NETDRAW NETWORK
VISUALISATION, HARVARD, MA,
ANALYTIC TECHNOLOGIES, 2002).

Hvala na pažnji!

WEB:

www.art-net-hrzz.org

KONTAKTI:

dr. sc. Ljiljana Kolešnik

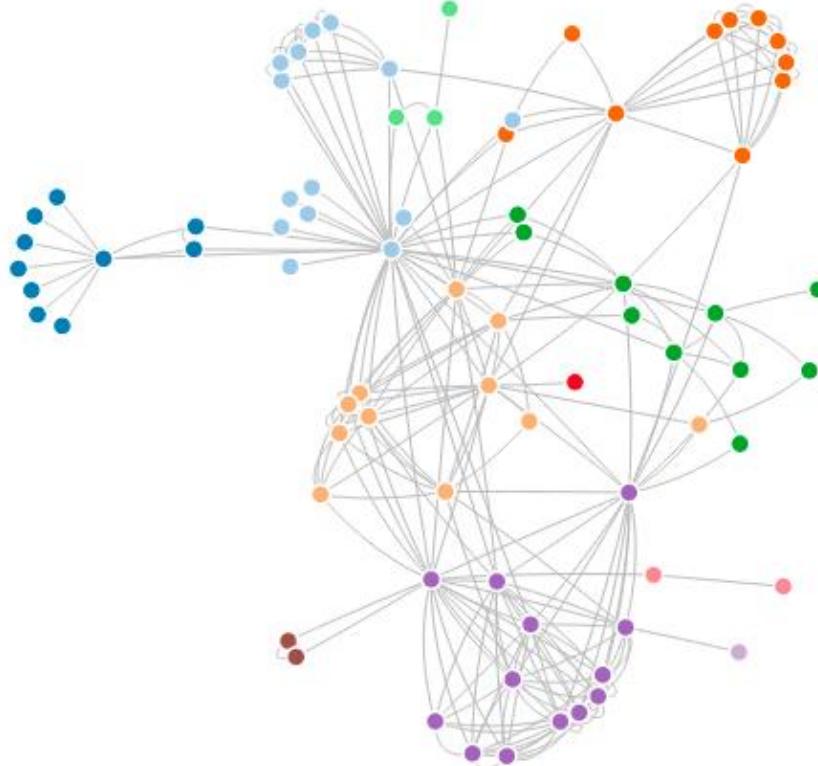
ljkoles@ipu.hr

dr. sc. Artur Šilić

artursilic@gmail.com

Nikola Bojić

nbojic@ipu.hr



Standardizacija metapodataka: Dublin Core

Label:

1. Contributor

Definition:

An entity responsible for making contributions to the resource.

2. Coverage

The spatial or temporal topic of the resource, the spatial applicability of the resource, or the jurisdiction under which the resource is relevant.

3. Creator

An entity primarily responsible for making the resource.

4. Date

A point or period of time associated with an event in the lifecycle of the resource.

5. Description

An account of the resource.

6. Format

The file format, physical medium, or dimensions of the resource.

7. Identifier

An unambiguous reference to the resource within a given context.

8. Language

A language of the resource.

9. Publisher

An entity responsible for making the resource available.

10. Relation

A related resource.

11. Rights

Information about rights held in and over the resource.

12. Source

A related resource from which the described resource is derived.

13. Subject

The topic of the resource.

14. Title

A name given to the resource.

15. Type

The nature or genre of the resource.