

NEVIDLJIVA TVAR

Nevidljiva tvar projekt je koji istražuje podatke povezane s globalnim svijetom suvremene umjetnosti s fokusom na ustanove koje se koriste e-flux obavijestima za oglašavanje vlastitih aktivnosti. Cilj je projekta locirati i opisati subjekte koji produciraju umjetnička događanja kao i tiskane materijale i internetske stranice koje sudjeluju u širenju informacija i stvaranju diskursa o umjetnosti.

Nakon stvaranja baze podataka koja se temelji na analizi e-flux obavijesti, kreirana su dva seta vizualizacija. Prvi set fokusira se na klijente e-fluxa (na njihovu lokaciju i datume kada su objavili obavijesti na e-fluxu),¹ a drugi pokazuje poveznice između umjetnika iz projekta *East Art Map* [Karta istočne umjetnosti] i njihovu prisutnost u e-flux obavijestima, ali prikazuje samo njihove međusobne veze, a ne i veze s ostalim umjetnicima koji se pojavljuju na e-fluxu.²

INVISIBLE MATTER

Invisible Matter is a data research project into the global contemporary art field focusing on the institutions which use e-flux announcements to advertise their activities. Its goal is to locate and describe entities that produce art events, as well as printed material and web sites that participate in the circulation of information and the creation of discourse about art.

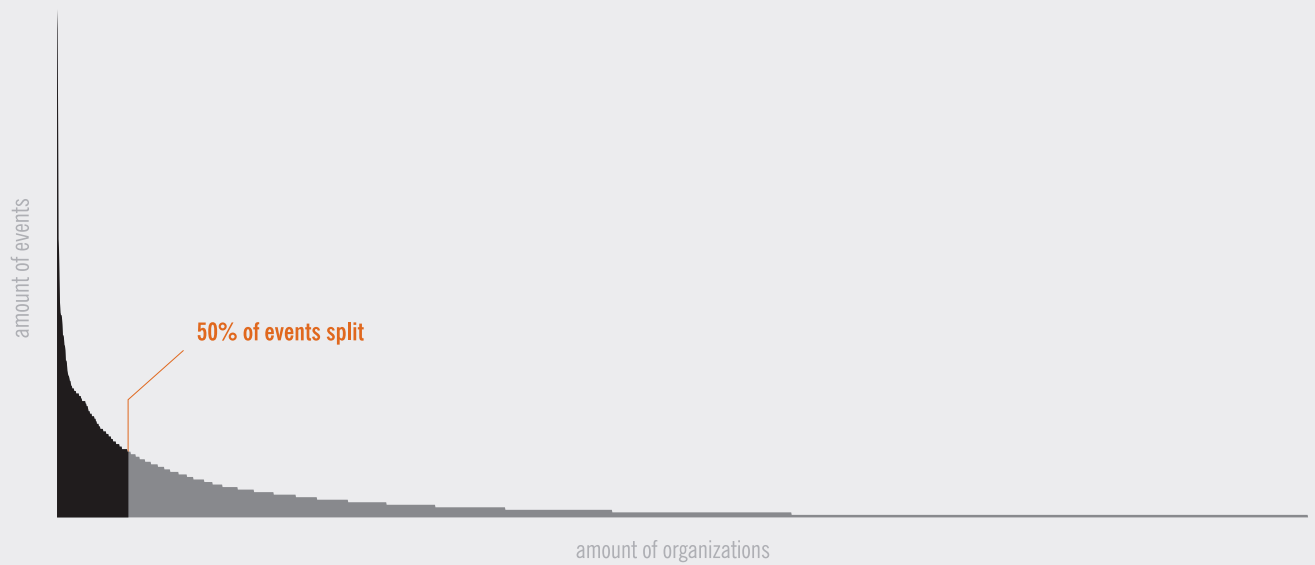
After establishing a database based on our analysis of the e-flux announcements, two sets of visualisations were created. The first set focuses on e-flux clients (looking at their location and dates when they issued announcements on e-flux)¹ and the second one shows connections between artists from the *East Art Map* and their presence in e-flux announcements, looking only at their connections to one another and not to other artists who appear on e-flux.²

¹ Termini *klijent* (uglavnom označava organizacije) i *obavijesti* (uglavnom se odnosi na izložbe) preuzeti su iz kategorizacije e-fluxa. Podaci korišteni u prvom setu vizualizacija odnose se na razdoblje od 1. siječnja 2000. do 28. listopada 2017.

² Termin *umjetnik /umjetnica* korišten je u projektu *East Art Map* za umjetnike, umjetničke grupe, kritičare itd. Podaci koji se upotrebljavaju u drugom setu vizualizacija odnose se na razdoblje od 1. siječnja 2000. do 1. studenoga 2018.

¹ Terms *clients* (predominantly organisations) and *announcements* (predominantly exhibitions) are appropriated from e-flux categorisation. Data used in the first set of visualisations covers the time from January 1, 2000 to October 28, 2017.

² The term *artists* is used on *East Art Map* for artists, art groups, critics etc. Data used in the second set of visualisations covers the time from January 1, 2000 to November 1, 2018.



Svi klijenti e-fluxa promatrani su u odnosu na ukupan broj objava koje su izdali. Dobivena krivulja moći podijeljena je na 50% ukupnih objava.

All e-flux clients were examined in relation to the total amount of announcements they published. The resulting power curve is divided at 50% of total announcements.



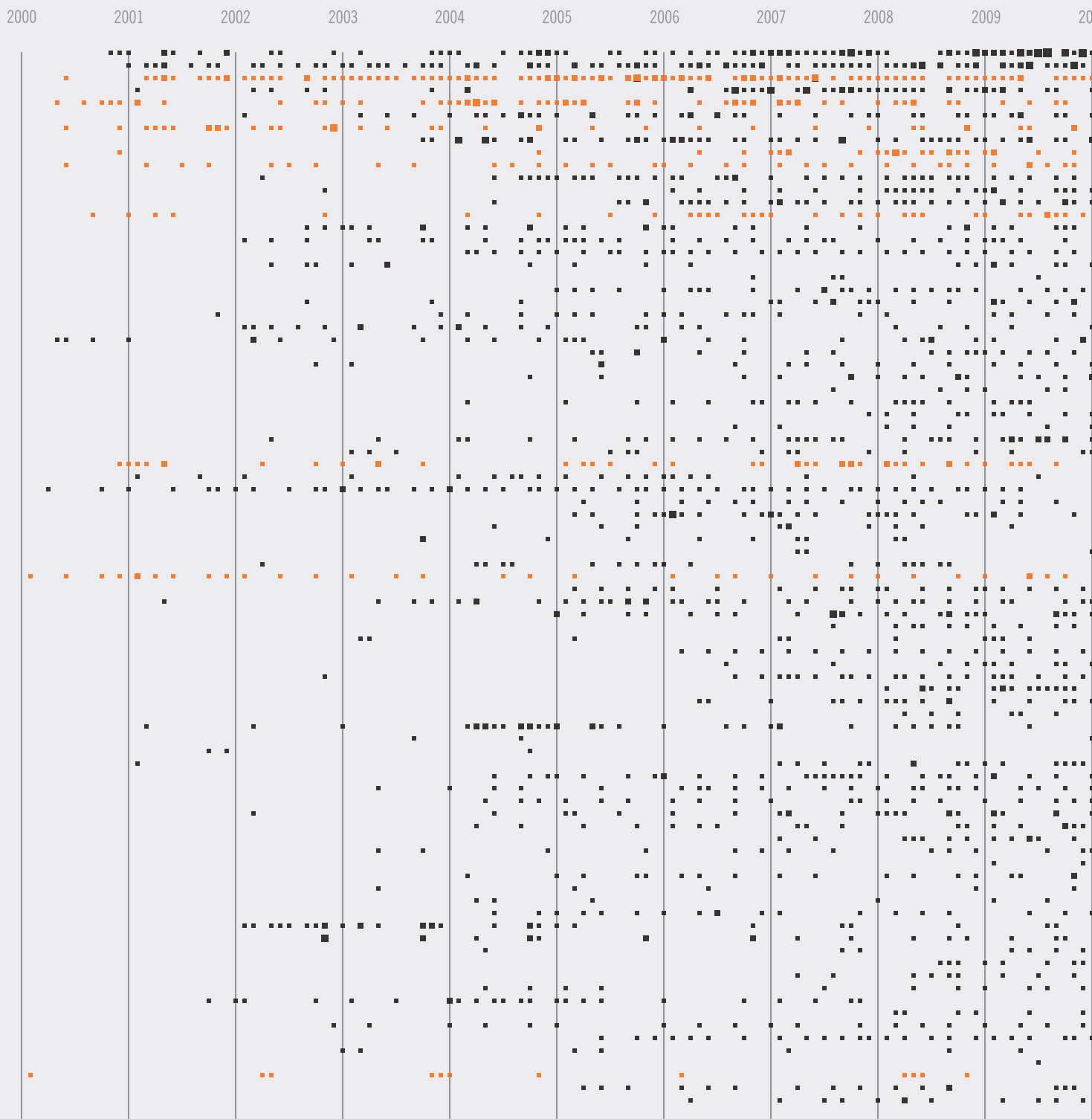


Geografska distribucija najaktivnijih klijenata koji su odgovorni za 50% svih objava na e-fluxu.

Geographical distribution of most active clients responsible for 50% of all announcements on e-flux.

Vremenska linija pokazuje klijente s najviše objava na e-fluxu (svaka točka predstavlja mjesec u kojem je bilo objava, dok njezina veličina ukazuje na broj najavljenih događanja u rasponu od 1 do 6).

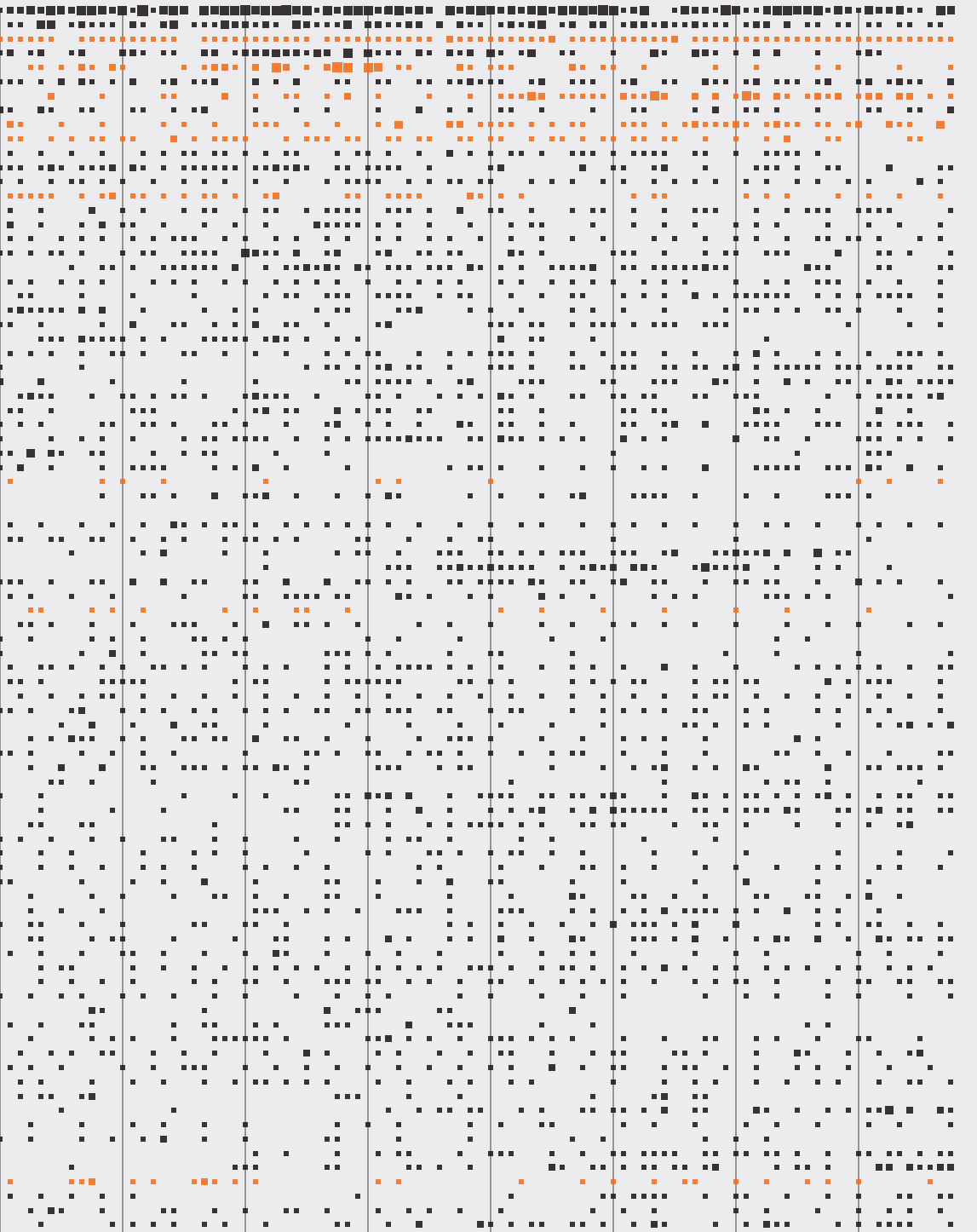
Timeline shows clients with most announcements on e-flux (each dot represents a month with announcements, while its size indicates a number of events announced, ranging from 1 to 6).



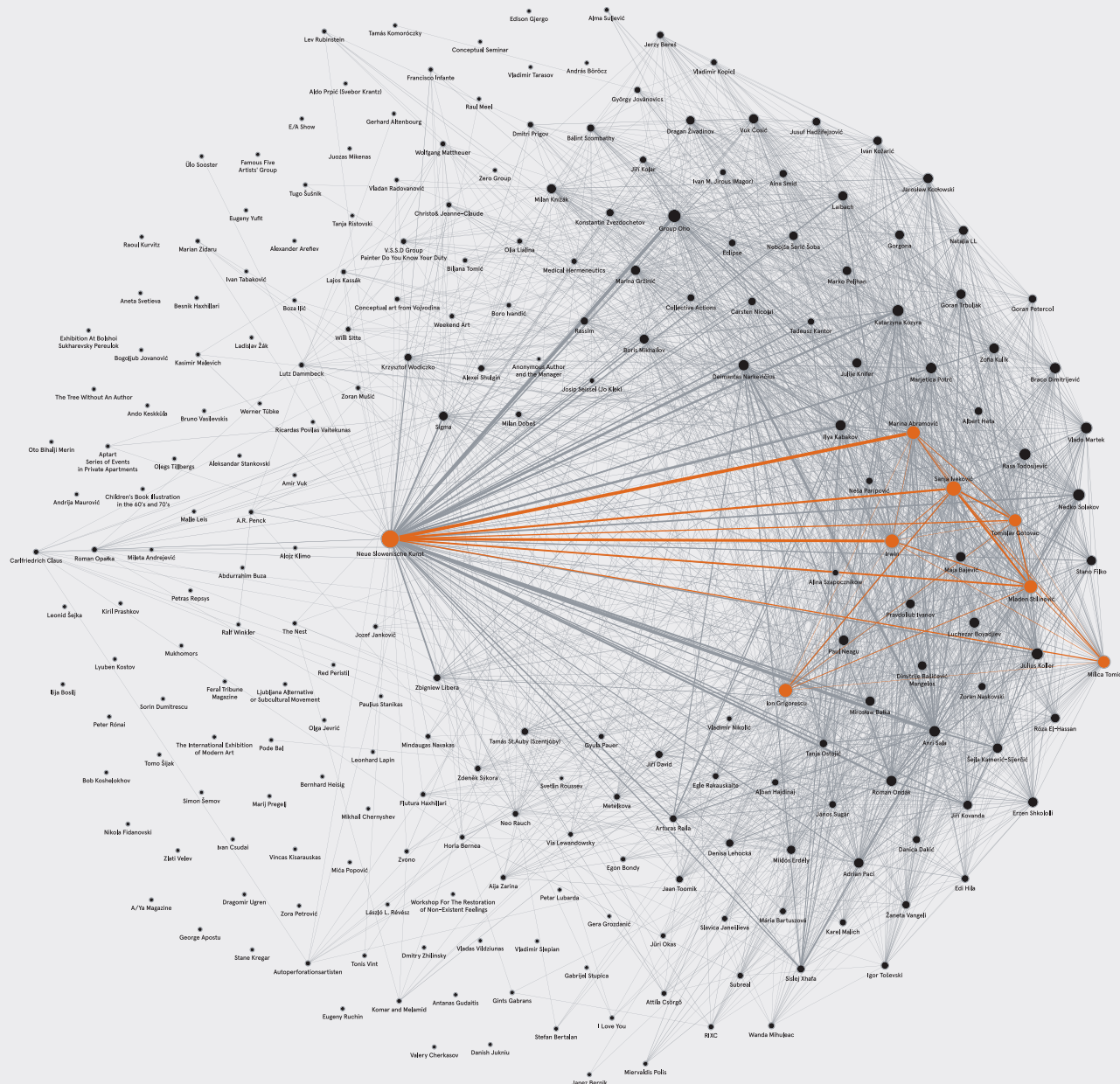
Gornji dio vremenske linije pokazuje klijente s najviše objava na e-fluxu (narančasta boja označava rane korisnike – klijente koji upotrebljavaju e-flux od 2000.).

Top of the timeline shows clients with most announcements on e-flux (orange color marks early adopters – clients using e-flux since 2000.).

2010 2011 2012 2013 2014 2015 2016 2017 2018



- e-flux
- Frieze Foundation
- Artforum
- Tate
- The Museum of Modern Art
- Schirn Kunsthalle Frankfurt
- Art Basel
- Kunsthhaus Graz Universalmuseum Joanneum
- New Museum
- Cabinet
- Institute of Contemporary Arts (ICA) London
- Museu d'Art Contemporani de Barcelona (MACBA)
- Portikus
- De Appel arts centre
- Swiss Institute
- Malmo Konsthall
- REDCAT
- Solomon R. Guggenheim Museum
- Contemporary Art Festival Sesc_Videobrasil
- Project Arts Centre
- Van Abbemuseum
- KUNST-WERKE BERLIN e. V.
- Museum Boijmans Van Beuningen
- Manifesta
- Neuer Berliner Kunstverein (n.b.k.)
- Palais de Tokyo
- Vancouver Art Gallery
- Haus der Kulturen der Welt (HKW)
- Center for Curatorial Studies, Bard College
- Guggenheim Museum Bilbao
- Independent Curators International (ICI)
- Ludwig Museum – Museum of Contemporary Art, Budapest
- S.M.A.K.
- Americas Society
- Moderna Museet
- Flash Art
- Parasol unit foundation for contemporary art
- ARC0madrid
- Stedelijk Museum Amsterdam
- The Jewish Museum
- WELLS Contemporary Art Centre, Brussels
- Gwangju Biennale
- Parkett
- The Power Plant
- Zacheta – National Gallery of Art
- CCA Wattis Institute for Contemporary Arts
- Chisenhale Gallery
- Sharjah Art Foundation
- TEXTE ZUR KUNST
- The Renaissance Society at The University of Chicago
- ZKM | Center for Art and Media Karlsruhe
- Hayward Gallery, Southbank Centre
- University of California, Berkeley Art Museum and Pacific Film Archive (BAMPFA)
- Walker Art Center
- Whitney Museum of American Art
- Haus der Kunst
- Kunsthalle Wien
- Philadelphia Museum of Art
- The Adrich Contemporary Art Museum
- Frankfurter Kunstverein
- Lunds konsthall
- Magasin III Museum & Foundation for Contemporary Art
- MMK Museum für Moderne Kunst Frankfurt am Main
- Ubens Center for Contemporary Art (UCCA)
- BAK, basis voor actuele kunst
- Para Site
- Austrian Cultural Forum New York (ACFN)
- Secession
- Bergen Kunsthal
- Le Grand Café – Contemporary Art Centre
- Printed Matter, Inc.
- Artissima
- Casino Luxembourg – Forum d'art contemporain
- Nam June Paik Art Center
- Nottingham Contemporary
- Institut d'art contemporain, Villeurbanne/Rhône-Alpes
- Musée d'Art moderne de la Ville de Paris
- Museum Folwang
- SculptureCenter
- Stroom Den Haag
- Massachusetts Institute of Technology
- National Museum of Modern and Contemporary Art, Korea
- Ola Art Foundation
- Fotomuseum Winterthur
- Kunstverein in Hamburg
- MAXXI – National Museum of XXI Century Arts



Aktivnosti projekta *East Art Map* koje su zastupljene na e-fluxu.

Grafički prikaz veza između umjetnika iz projekta *East Art Map* koji se pojavljuju u obavijestima e-fluxa.¹

Rangiranje selektora na projektu *East Art Map* temeljeno je na prosječnoj povezanosti umjetnika koje su pojedini selektori uključili u *East Art Map*.²

1
Veličina krugova pokazuje povezanost (veći krugovi predstavljaju umjetnike s više veza). Širina linija pokazuje broj slučajeva kada su se dva umjetnika zajedno pojavila u obavijestima e-fluxa (deblje linije ukazuju na više zajedničkih pojavljivanja).

2
Termin selektor korišten je u projektu *East Art Map* za osobe koje predlažu umjetnike.

Ranking	East Art Map Selector:
60, 375	Banka Stipančić
49, 636	Marina Gržinić
40, 818	Piotr Piotrowski
29, 888	open online submissio
29, 428	Nermina Zildžo
27, 6	Vladimir Beskid
27, 375	Branko Dimitrijević
25, 727	Edi Muka
25, 5	Calin Dan
24, 5	Jiří and Jana Ševčík
23, 7	Lara Bubnova
23, 5	Ekaterina Degot
20, 090	János Sugár
15, 555	Igor Zabel
14	Ana Peraica
11, 636	Elona Lubyte
10, 692	Inke Arns
9, 777	Suzana Milevska
5, 111	Sirje Helme
4, 625	Mara Traumane
3, 181	Miško Šuvaković
1, 3	Viktor Misiano
0, 833	Marina Koldobskaya

East Art Map activities represented on e-flux.

The graph of connections between artists from *East Art Map* present in e-flux announcements.¹

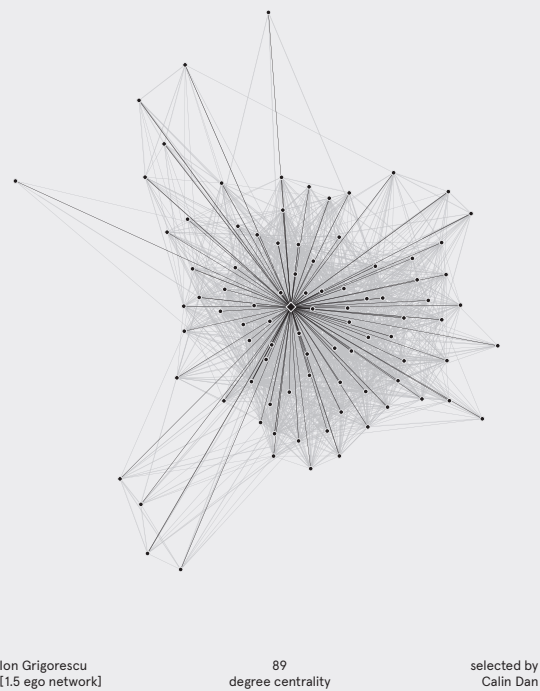
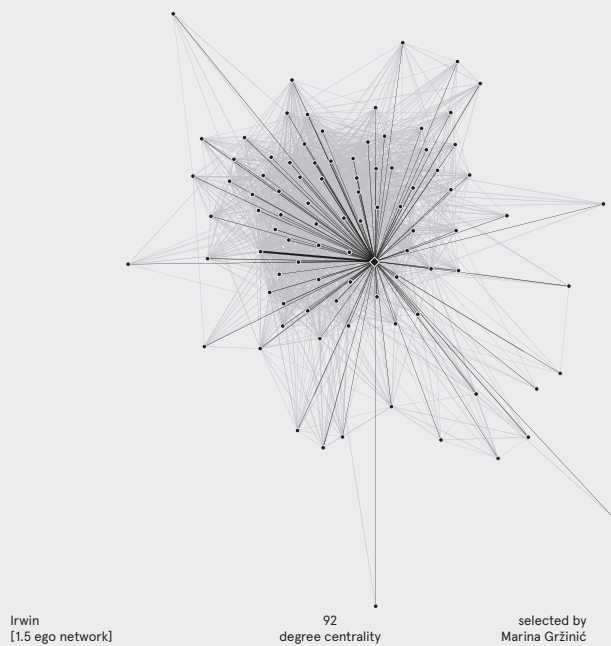
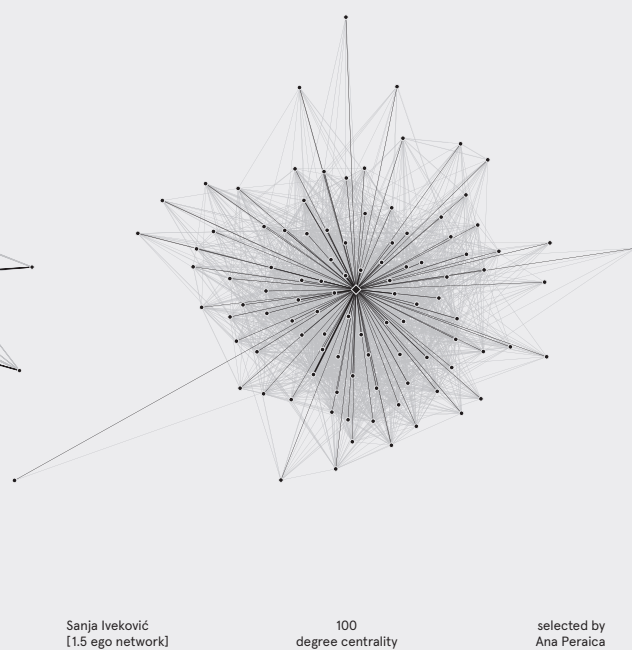
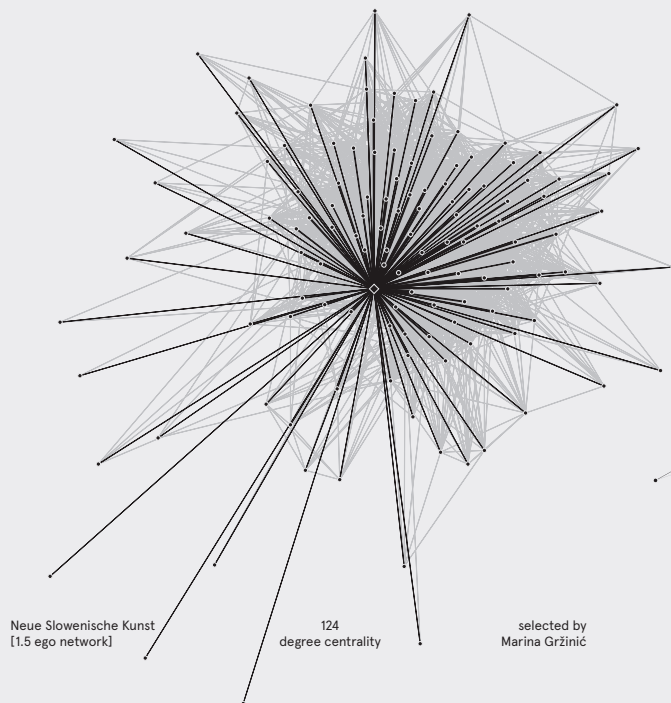
Ranking of *East Art Map* selectors is based on the average connectedness of artists submitted by the individual selector to the *East Art Map*.²

¹

Size of the circles indicates connectedness (bigger circles represent artists with more connections). Width of the lines indicates number of times two artists appear together on e-flux announcements (thicker lines indicate more coappearances).

²

The term selector is used on *East Art Map* for persons who proposed artists.



Ego mreže predstavljaju pojedine umjetnike iz projekta *East Art Map* i njihove veze s drugim umjetnicima iz projekta na temelju podataka prikupljenih iz e-fluxa (izravne veze prikazane su crnom bojom, a veze među susjedima sivom bojom).

Osmero najpovezanijih umjetnika u mreži (na temelju ponderirane mjere centralnosti)¹ pozvano je da izlože svoje radove na izložbi *Invisible Matter*.

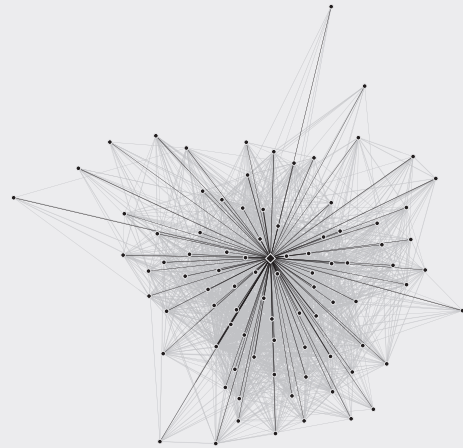
¹ Primijenjeno za mjerenje utjecajnosti umjetnika u mreži na temelju broja i važnosti njihovih veza.



Marina Abramović
[1.5 ego network]

86
degree centrality

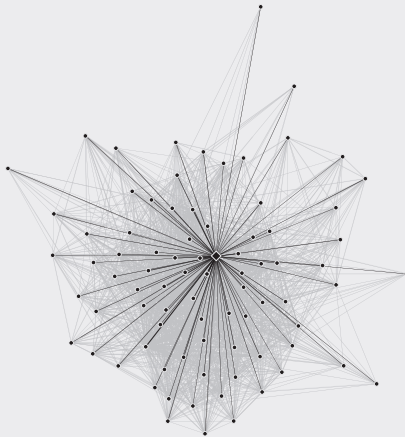
selected by
Branko Dimitrijević



Mladen Stilinović
[1.5 ego network]

88
degree centrality

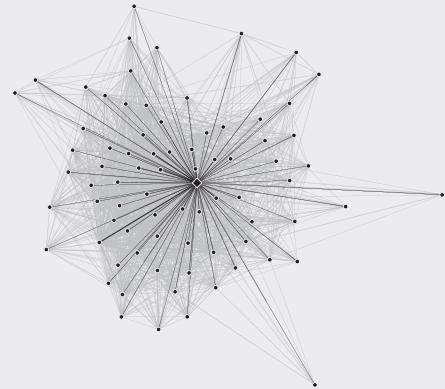
selected by
Branka Stipančić



Tomislav Gotovac
[1.5 ego network]

82
degree centrality

selected by
Branka Stipančić



Milica Tomić
[1.5 ego network]

76
degree centrality

selected by
Branko Dimitrijević

Ego networks represent individual artists from *East Art Map* and display their relationships to other artists in the Map according to the data collected from e-flux (direct relationships in black and connections between neighbours in grey).

¹ Used to measure the artist's influence in the network by considering the number and importance of their connections.

Eight most interconnected artists in the network (based on eigenvector centrality)¹ have been invited to exhibit within the *Invisible Matter* exhibition.



NEVIDLJIVA TVAR, KULTURNI CENTER TOBAČNA 001, LJUBLJANA

Autori Fokus Grupa. Sudjeluju Marina Abramović, Tomislav Gotovac, Ion Grigorescu, IRWIN, Neue Slowenische Kunst, Mladen Stilinović. Kustosica Alenka Gregorič. Fotografija Andrej Peunik



INVISIBLE MATTER, TOBACCO 001 CULTURAL CENTRE, LJUBLJANA

Exhibition by Fokus Grupa. Featuring Marina Abramović, Tomislav Gotovac, Ion Grigorescu, IRWIN, Neue Slowenische Kunst, Mladen Stilinović. Curated by Alenka Gregorič. Photo credits Andrej Peunik.

•
Umjetnički kolektiv Fokus grupa djeluje od 2012. godine. U svojem radu nastoji uspostaviti kritički okvir za čitanje umjetničke, ekonomske i političke okoline u kojoj djeluje. Posuđuje i uči od dizajna, arhitekture, kustoske prakse i pisanja, a svoj tim često proširuje suradnicima iz drugih područja.

Godine 2015. kolektiv je sudjelovao u poslijediplomskom programu na Bauhausu Dessau, a 2016. zajedno s poslijediplomskim centrom Künstlerhaus Büchsenhausen razvio je seminar na Institutu za teoriju arhitekture u Innsbrucku. Taj je seminar, realiziran kao projekt *Existenzoptimum*, izložen u Umjetničkom paviljonu u Innsbrucku 2016., a proširena verzija predstavljena je na izložbi *Some Shapes of Things to Come* u Umjetničkom udruženju Harburger Bahnhof u Hamburgu 2018. Godine 2016. također su predstavili projekt *Stories about Frames* u MSU-u u Zagrebu, Fundaciji Antoni Tàpies u Barceloni i u MSUB-u u Beogradu. Projekt *Invisible Matter* izložen je 2017. u galeriji Bunkier Sztuki u Krakowu, a 2018. u galeriji Onomatopee u Eindhovenu i u Kulturnom centru Tobačna 001 u Ljubljani.

•
Art collective Fokus Grupa has been active since 2012. In its work, it tries to establish a critical framework for reading the artistic, economic and political surroundings in which it operates. It lends and learns from design, architecture, curatorship and writing, while often broadening its working team with collaborators from other fields.

In 2015 the collective participated in the post-master's programme of the Bauhaus Dessau, and in 2016, with the Künstlerhaus Büchsenhausen, they developed a project seminar at the Innsbruck Institute for Architectural Theory. This seminar, realized as *Existenzoptimum* project, was exhibited at Kunstpavilion Innsbruck in 2016. and in its extended version at the exhibition *Some Shapes of Things to Come* at Kunstverein Harburger Bahnhof, Hamburg in 2018. In 2016 they also exhibited the project *Stories about Frames* at MSU, Zagreb and at Fundació Antoni Tàpies, Barcelona and MSUB, Belgrade. *The Invisible Matter* project was exhibited in 2017 at Bunkier Sztuki, Krakow, and in 2018 at Onomatopee, Eindhoven and Tobbaco 001 Cultural Centre, Ljubljana.

←

Projekt *Nevidljiva tvar* — Koncept, dizajn, grafički prikazi i istraživanje: Fokus Grupa. Programiranje: Husky Bytes. Više o ovom projektu na invisiblematter.xyz

←

Invisible Matter project concept, design, graphics and data research by Fokus Grupa. Programming by Husky Bytes. More about the project on invisiblematter.xyz