

Visualizar'17: Migrations

15.09.2017 - 30.09.2017 10:00h - 20:30h

Place: Auditorio

The Medialab-Prado international workshop focused on Data Visualization *Visualizar'17* celebrates its tenth anniversary with a workshop dedicated to **Migrations**, organized in collaboration with **PorCausa** (<http://porcausa.org>).



Figure 1: Visualizar'17: Migrations. 15 - 30 September 2017, CC BY NC 2.0

<http://dle.rae.es/?id=PE38JXc> (<http://dle.rae.es/?id=PE38JXc>). From the Latin *migratio*, -ōnis. f. Regular journey undertaken by birds, fish or other migratory animals. f. Geographic movement of individuals or groups, generally due to economic or social reasons. f. IT. Movement of a system's programs, files and data from one specific technological platform to another. f. Chem. Transfer of a substance.

Medialab Prado's programme **Visualizar** (<http://medialab-prado.es/visualizar>) (Visualise) celebrates its 10th anniversary with a workshop devoted to migrations, organised in collaboration with **PorCausa** (<http://porcausa.org/>). Human migration is one of the meanings given for the word migration ("migración") in the Spanish dictionary published by the **Royal Spanish Academy** (<http://rae.es/>). The term thus covers a broad range of possible scenarios.

The **8 projects selected** (<http://medialab-prado.es/article/visualizar17-migraciones-proyectos-seleccionados>) include some of the meanings of the term **migration**.

Save the dates

- Workshop start date: 15 September
- Symposium open to the public: 15 and 16 September.
- Project development: from 17 to 29 September.
- Public presentation of projects: 30 September.

Agenda

The event is divided into three main parts: symposium, the workshop itself and the final presentation of the projects:

Symposium

The first two days, Friday 15th and Saturday 16th September, the Visualizar17 symposium is held, which includes projects presentation, presentation of collaborators and team building.

Friday afternoon, 15

- 17:30 - 17:45, presentation of the Visualizar edition, the symposium and the collaborating organizations, with **Adolfo Antón Bravo** (*Datalab de Medialab-Prado*) and **Elena Cabrera** (*PorCausa*). -17:50 - 18:10, presentation of Transeuropa Festival, by **Elena Silvestrini** -18:15 - 18:40, talk on *Visualize: 10 years*, by **José Luis de Vicente**. -18:45 - 19:15, talk on *Data artistic visualization: new forms of narrative*, by de **Lucila Rodríguez Alarcón** (*PorCausa*).
- 19:20 - 19:45, talk by **Hannah Williams** (*Code for Southafrica*).
- 19:50 - 20:30, intervention of **Julie Freeman**

Saturday 16

- 10:00 - 10:15, presentation of the second session of the symposium session.
- 10:15 - 10:55, presentation of projects (4)
- 11:00 - 11:15, lunch
- 11:20 - 12:00, presentation of projects (4)
- 12:00 - 13:30, presentation of collaboratorxs and formation of teams.
- 13:30 - 14:00, project methodology: text editor, Markdown, Github. (**staff**)

- 14:00 - 15:00, lunch
- 15:00 - 15:30, talk about *Turning raw data into erotic lyrics*, by **Pau García** y **Pol Trías Coca** (*Domestic Data Streamers*).
- 15:30 - 16:00, *Experiments with visualizing migration data in 2D and 3D* by **Yuri Engelhardt** ([Geovisuals Analytics Lab](https://gip.itc.nl/geovislab/) (<https://gip.itc.nl/geovislab/>), University of Twente).
- 16:00 - 16:30, introduction to gvSIG, by **Alvaro Anguix** and **Javier Rodrigo** (*gvSIG*).
- 16:30 - 17:15, intervention of **Alba G. Corral**
- 17:15 - 18:00, talk by **Gonzalo Fanjul** (*PorCausa*).
- 18:00 - 18:30, Snack
- 18:30 - 19:15, talk by **Samuel Granados** (*The Washington Post*).
- 19:15 - 20:00, talk by **Alison Killing** (*Killing Architects*).
- 20:05 - 20:45, discussion/work/networking

Workshop

From 17 to 29 September:

- 10:00, opening
- 10:00 - 10:30, breakfast
- 10:00 - 13:00, work
- 13:00 - 14:30, lunch
- 14:30 - 18:00, work
- 18:00 - 18:30, snack
- 18:30 - 20:30, workshops/free
- 20:30, closing time

Sunday 17

We're done after lunch.

Sunday 24

Additional activity to be confirmed

Presentation of projects

- 10:00, opening
- 10:00 - 10:30, breakfast
- 10:30 - 13:30, presentation of projects
- 13:30 - 14:00, farewell talk

Visualizar'17: Migrations

The first one that comes to mind is human migration, one of its **meanings** (<http://dle.rae.es/?id=PE38JXc>) as the **Royal Academy of Spanish Language** (<http://rae.es/>) points out, which puts us in very diverse scenarios.

We would not like to forget that human migration is considered a right –freedom of movement– but it is also viewed as a trait inherent to civilisation. People decide to move for many reasons: they may be forced to do so, as in the case of those who leave to seek refuge, or their move may result from a personal or family decision. Studying migratory flows is essential in order to understand and uphold this right.

Migrations

In this workshop we will focus on traits, processes and behaviour: movement over the Earth's territory –local, global or glocal– by species (flora and fauna), people, data or substances.

In this regard, we would like to stress the relevance of this topic in terms of its connection to other Medialab Prado workshops held in 2017, the **fifth edition of the Data Journalism Production Workshop** (<http://s.coop/tpd17>) and **Interactivos'17** (<http://medialab-prado.es/article/interactivos17>). While in the former we focus on mobility within the Spanish territory (Empty Spain) and use data to find some nice stories that can make up journalism projects, in the latter we focus on the territory of the city in order to create prototypes based on electronics and programming.

The desire to hold this sort of workshop dates back to 2014, when Migrahack was held in Mexico; unfortunately its original website no longer exists, but luckily we do have **archive.org** (<http://web.archive.org/web/20140706140343/http://justicejournalism.org/programs/migrhack>). Migrahack aimed to increase the visibility of migration, "decrypting the stories hidden behind numbers and uniting data with creativity and technology to tell the story of migrants' everyday situations, their vital contribution and the evolution of immigration between Mexico, the United States and Central America, as well as to unscramble some of the misconceptions regarding this segment of the population".

In Visualizar we aim to use visualisation to make sense of a complex reality that is often filtered by data. Although all past editions have focused in some manner on the **city** as an object of study, analysis and as a territory to be explored, the first two editions of the programme each featured a migration data visualisation project.

In 2007, Human Flows aimed to visualise and interactively map global migrations with a view to understanding their causes

and discovering relationships between them. Meanwhile, in 2008 was invited **Cartografía del Estrecho** (http://medialab-prado.es/article/cartografia_del_estrecho_20), a project coordinated by hackitectura.net which evolved out of the open call's proposed topic, The City as a Database, to experiment with further development of *Cartografía Crítica del Estrecho de Gibraltar* (Critical Cartography of the Strait of Gibraltar), which was created in collaboration with Indymedia Estrecho and others in 2004. Its aim was to visualize the migratory and economic flows in the border territory of Southern Europe and North Africa in an environment of **augmented reality** (AR).

What migration is for us

When we refer to the migration of people or groups, various variables come into play, such as distance and national sovereignty. For instance, people who migrate within a country due to a conflict, without crossing the border, are referred to as displaced, as are those who migrate for climatic reasons, even when they cross borders. In other situations, people may be called tourists, congress attendees, Erasmus students, etc.

In short, if we consider the four meanings described above for the word migration, it is easy to distinguish various potential projects on the topic of migration that focus on different aspects of the concept:

Migrations of fauna and flora

- Seasonal bird travel.
- Food availability requirements.
- Changes in natural or artificial habitats, usually caused by human action, whether temporary or fixed infrastructures.
- In response to common climate change or as a result of climate change.

Migration of persons or groups

- Migration by infrastructure or as a result of climate change.
- Returnees, the migratory process that is sometimes round trip.
- Economic or labour migration.
- People seeking refuge for human rights violations.
- People fleeing conflict.
- Tourism, holidays, leisure travel.
- Scientific, academic and student journeys

Data migrations

- Data movement on the Web and any other Internet service
- Privacy of data
- Trace of people and their electronic devices, IoT.
- Trace of things, goods.
- Data migration
- Application migration
- Social and cultural impacts

Substance migrations

- Migration of substances in containers and materials that come into contact with food, such as kitchen utensils and food processing equipment.
- Migration of harmful substances in common, technical or specialised textile articles.
- Environmental pollution.
- Water and air quality.

Examples

Projects

- **The Migrants' Files** (<http://www.themigrantsfiles.com/>), a consortium of journalists from 15 European countries coordinated by **Journalism++** (<http://www.jplusplus.org>)
- **The Confidential Participation in The Migrant's Files** (<http://www.elconfidencial.com/tags/otros/the-migrants-files-10249/>)
- **The Migrant's Files in HDX** (<http://www.elconfidencial.com/tags/otros/the-migrants-files-10249/>)
- **The encyclopedia of migrants** (<http://www.encyclopedia-de-los-migrantes.eu/es/projet/>)
- **3500 million** (http://elpais.com/agr/3500_millions/a/), coordinated by Gonzalo Fanjul (*PorCausa*).

Articles

(in Spanish)

- **La ayuda al desarrollo no frena las migraciones** (http://elpais.com/elpais/2017/04/20/3500_millones/1492718534_903430.html)
- **Refugiados** (<http://www.elmundo.es/papel/firmas/2017/03/06/58bd7c98268e3e687b8b45b5.html>)
- **Adiós al inmigrante ilegal en Associated Press** (<https://blog.infotics.es/2013/04/07/adios-al-inmigrante-ilegal-en-associated-press/>)
- **Las fascinantes pistas que dan los análisis de ADN sobre quiénes fueron los primero habitantes de América** (<http://www.bbc.com/mundo/vert-earth-39502506>)
- **El drama de los migrantes africanos que son vendido en "mercados de esclavos" en Libia**

- <http://www.bbc.com/mundo/noticias-internacional-39579498>
- **Relato de uno de los naufragios de migrantes más trágicos en el Mediterráneo**
- http://www.bbc.com/mundo/internacional/2016/06/160606_naufragio_victimas_catania_africanos_migrantes_all
- **"Nos tratan como animales": la "inhumana" situación de los migrantes que Hungría quiere encerrar en contenedores** <http://www.bbc.com/mundo/media-39310125>
- **Los trabajadores extranjeros que están dejando Reino Unido por el Brexit** <http://www.bbc.com/mundo/vert-cap-39572735>
- **Prostituidos y explotados: la dura realidad de los niños migrantes abandonados por Europa**
- http://www.bbc.com/mundo/noticias/2015/09/150918_crisis_migratoria_ninos_explotados_lb
- **Las cartas del desarraigo** <http://www.elmundo.es/sociedad/2017/01/29/5888e814468aebf7458b45da.html>
- **Del locutorio a WhatsApp: emigrar en tiempos de Internet**
- http://sociedad.elpais.com/internacional/2017/04/05/actualidad/1491405727_917039.html
- **Las cigüeñas acortan su migración por la basura y los cultivos humanos**
- http://elpais.com/elpais/2016/01/22/ciencia/1453482170_426434.html
- **Así es el viaje del insecto que recorre la distancia más larga del mundo**
- http://elpais.com/elpais/2016/03/04/ciencia/1457089717_887650.html
- **Los mapas de las aves marinas** <http://www.elmundo.es/baleares/2017/04/11/58ec8fee5fdea691c8b462c.html>
- **Cómo la ballena azul llegó a convertirse en el animal más grande de la historia** <http://www.bbc.com/mundo/vert-earth-39273283>
- **El riesgo de que los compuestos químicos pasen del envase a la comida**
- http://sociedad.elpais.com/sociedad/2014/02/19/actualidad/1392837996_788576.html
- **Exponen la relación entre la luz artificial y ciertos tipos de cáncer** http://www.eldiario.es/lapalmaaahora/sociedad/contaminacion-luminica-amenaza-global-biodiversidad_0_635186775.html
- **Food packaging and migration of food contact materials: will epidemiologists rise to the neotoxic challenge?** <http://jech.bmj.com/content/early/2014/01/28/jech-2013-202593>
- **Migración química a alimentos** <http://www.elfinanciero.com.mx/opinion/migracion-quimica-a-alimentos.html>
- **Unas 4000 sustancias químicas se utilizan en los empaques de comida**
- http://www.bbc.com/mundo/noticias/2014/02/140220_salud_empaque_peligros_gtg
- **Límite a las migraciones en plásticos para alimentos** <http://www.consumer.es/seguridad-alimentaria/normativa-legal/2003/02/25/5268.php>

Visualizar

Visualizar is an international prototyping workshop for Medialab-Prado data visualization projects. This year marks the tenth anniversary - not the tenth edition - of this project, which aims to "attend to the discipline of data visualization, a transversal element that uses the immense power of communication of images to explain in an understandable way the relationships of meaning, cause and dependence that can be found among the great abstract masses of information generated by scientific and social processes".

Since 2007, Medialab Prado's Visualizar programme has been researching the social, cultural and artistic implications of data culture and proposing methodologies to make them more comprehensible and open up avenues for participation and criticism.

To visualize part of the research initiated by José Luis de Vicente in 2007 on the aesthetics of the representation of information in the context of various festivals and exhibitions:

- *Randonee*: A walk through the landscape of the XXI Century (Exhibition inside Sónar 2005, Barcelona, CCCB)
- *How to Do Things With Data*, at OFFF 2006 (Barcelona, CCCB)
- *Aesthetics of Data* (Symposium within ArtFutura 2006, Barcelona, Mercat de les Flors).

In the six editions that have been held so far, the program *Visualizar* has had international figures such as Ben Fry, Aaron Koblin, Stamen, Fernanda Viegas, Adam Greenfield, Bestiario, Adrian Holovaty, Sunlight Foundation, Mark Hansen, Manuel Lima, Dietmar Offenhuber, Amber Frid-Jimenez, Andrew Vande Moere, Greg Bloom, Sisi Wei or Yuri Engelhardt, among others

Team

Organization

- Adolfo Antón Bravo (**tw:adolflow** <https://www.twitter.com/adolflow>); **gh:flowsta** <https://github.com/flowsta>), head at **Datalab** <http://github.com/medialab-prado/datalab> (**tw:datalabx** <https://twitter.com/datalabx>).
- Elena Cabrera, (**tw:elenac** <https://twitter.com/elenac>) head of journalism area at **PorCausa.org** <https://porcausa.org>).

Mediators

- Julián Pérez (**tw:largocreatura** <https://twitter.com/largocreatura>), **visual artist** <http://julian-perez.com>), head of **StreamLab** <http://streamlab.medialab-prado.es/> at Medialab (2015-2017).
- Sara Calvo Tarancón (**tw:Sara_Ct** https://twitter.com/Sara_Ct), journalist.
- Ignacio Azcona (**tw:nko_ozm** https://twitter.com/Nko_ozm), journalist.
- Irene Yagüe, video journalist.
- Mercedes Bilbao, PR.
- Sandra Sánchez Merinero (**tw:sandrasm** <https://twitter.com/sandrasm>), data journalist.
- María Navarro (**tw:mariapuntos** <https://twitter.com/mariapuntos>), journalist.

Speakers

- Julie Freeman (**tw:misslake** (<https://twitter.com/misslake>), **gh:misslake** (<https://github.com/misslake>)), data artist, member of **Open Data Institute** (<https://odi.org>) and fellow of **TED** (<https://www.ted.com/profiles/938806/fellow>).
- José Luis de Vicente (**tw:jldevicente** (<https://twitter.com/jldevicente>)), founder of *Visualizar*.
- Alison Killing (**tw:alisonkilling** (<https://twitter.com/alisonkilling>)), architect and visual artist, fellow of *TED*.
- Alba G. Corral (**tw:albagcorral** (<https://twitter.com/albagcorral>)), visual artist.
- Elena Silvestrini, project manager at **Transeuropa Festival** (<https://transeuropafestival.eu/>).
- Lucila Rodríguez-Alarcón (**@lularoal** (<https://twitter.com/lularoal>)), **general manager** (<https://porcausa.org/equipo/>) at Porcausa.
- Pau García and Pol Trías Coca, members of **Domestic Data Streamers** (<http://paugarcia wastaken.com/about/>)
- Gonzalo Fanjul (**tw:GonzaloFanjul** (<https://twitter.com/GonzaloFanjul>)), head of the research area at **PorCausa.org** (<https://www.porcausa.org>)
- Álvaro Anguix and Javier Rodrigo, member of **gvSIG** (<http://www.gvsig.com/>).
- José Luis Esteban Aparicio, member of **Haskell Group Madrid** (<https://www.meetup.com/es-ES/Haskell-MAD/>).

Mentors

- Samuel Granados (**tw:samugranados** (<https://twitter.com/samugranados>)), **graphic editor** (<https://www.washingtonpost.com/people/samuel-granados>) at **The Washington Post** (<https://www.washingtonpost.com/>).
- Hannah Williams (**tw:littlemsnimbus** (<https://twitter.com/littlemsnimbus>)), graphic designer (**Code For Southafrica** (<https://code4sa.org>)) and **School of Data** (<https://schoolofdata.org>))
- Carlos Gil-Bellosta (**tw:gilbellosta** (<https://twitter.com/gilbellosta>); **gh:cjgb** (<https://github.com/cjgb>)), **data scientist** (<https://www.datanalytics.com>).
- Beatriz Martínez (**tw:maritrinez** (<https://twitter.com/maritrinez>); **gh:maritrinez** (<https://github.com/maritrinez>)), **data visualization** (<http://visualizados.com>).
- Alejandro Zappala (**tw:alayzappala** (<https://www.twitter.com/alayzappala>); **gh:alayzappala** (<https://github.com/alayzappala>)), **cartographer** (<http://adappgeo.net>).
- Pablo Martín (**tw:pr3ssh** (<https://www.twitter.com/pr3ssh>); **gh:pr3ssh** (<https://github.com/pr3ssh>)), **civic hacker** (<http://pr3ssh.net>).
- Jesús David Navarro Rodríguez (**tw:jesusda** (<https://twitter.com/jesusda>); **gh:jesusda** (<https://github.com/jesusda>)), **graphic designer** (<http://jesusda.net>).
- Sergio Galán (**tw:sergioelectico** (<https://twitter.com/sergioelectico>); **gh:serman** (<https://github.com/serman>)), **interaction design** (<http://electico.net>).
- Ignasi Alcalde (**tw:ignasialcalde** (<https://twitter.com/ignasialcalde>)), **data visualization trainer** (<http://ialcalde.net>).
- Daniel Mery (**tw:dmery** (<https://twitter.com/dmery>); **gh:dmery** (<https://github.com/dmery>)), computer scientist and member of **Madrid Haskell Group** (<https://www.meetup.com/es-ES/Haskell-MAD/>)
- Juan Antonio Lleó (**tw:juan_a_leo** (https://twitter.com/Juan_A_LLeo)), artist and member of **Madrid Haskell Group** (<https://www.meetup.com/es-ES/Haskell-MAD/>).
- Martín Nadal (**tw:muimota** (<https://twitter.com/muimota>)), **artist and researcher** (<http://muimota.net>).

Friends

PorCausa

porCausa (<https://porcausa.org>) is born through the conviction in an idea, the idea that the world does not change unless people are well informed. The problem is that certain information does not reach most people.

Because of this, for the last three years they have been working to ensure that truthful information regarding the most vulnerable members of the population gets the informative relevance it deserves.

Transeuropa

TRANSEUROPA (<https://transeuropafestival.eu/about-transeuropa/>) is a transnational artistic, cultural and political festival organised by **European Alternatives** (<https://euroalter.com/>) since 2007. In the past decade, TRANSEUROPA has attracted thousands of attendees and active participants through a decentralised event structure in over a dozen European cities and a high profile moment in one city. For the 2017 edition, Convergent Spaces, the main city for TRANSEUROPA is Madrid

Haskell Group Madrid

Grupo Haskell Madrid (<https://www.meetup.com/es-ES/Haskell-MAD/>) is Haskell's group of enthusiasts in Madrid. They propose to support in the different phases that Visualize projects can go through: data collection, cleaning, analysis, extraction or visualization.

gvSIG

gvSIG (<http://www.gvsig.com/es/inicio>) is a network of professionals in free geomatics, with a development model based on shared knowledge, solidarity and cooperation.

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