

# Mapping The Informal

Practices of the Global South Spring 2013

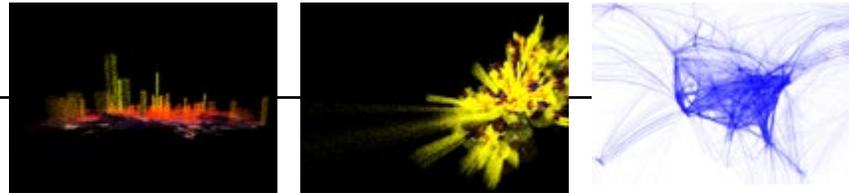
Nick Binder

Xue Yang

Jared Grace

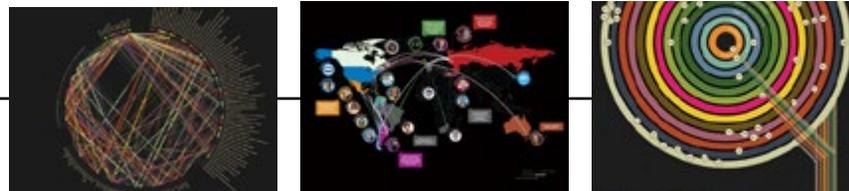
# Ephemeral Mapping

- Robert Hodgkin
- Aaron Koblin

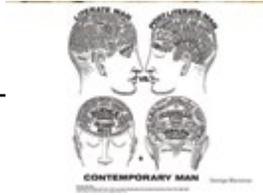


# Data Driven Maps

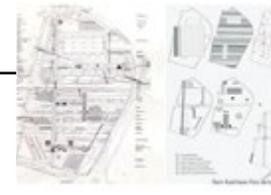
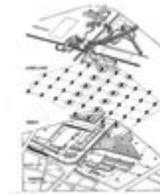
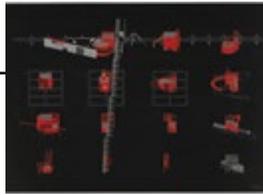
- Dave Bowker
- Stephan Brautigam



Drift



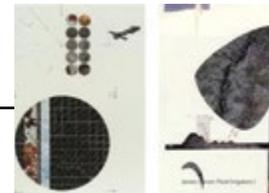
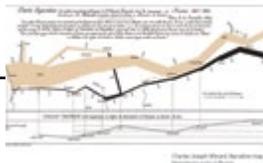
Layering



Game-Board

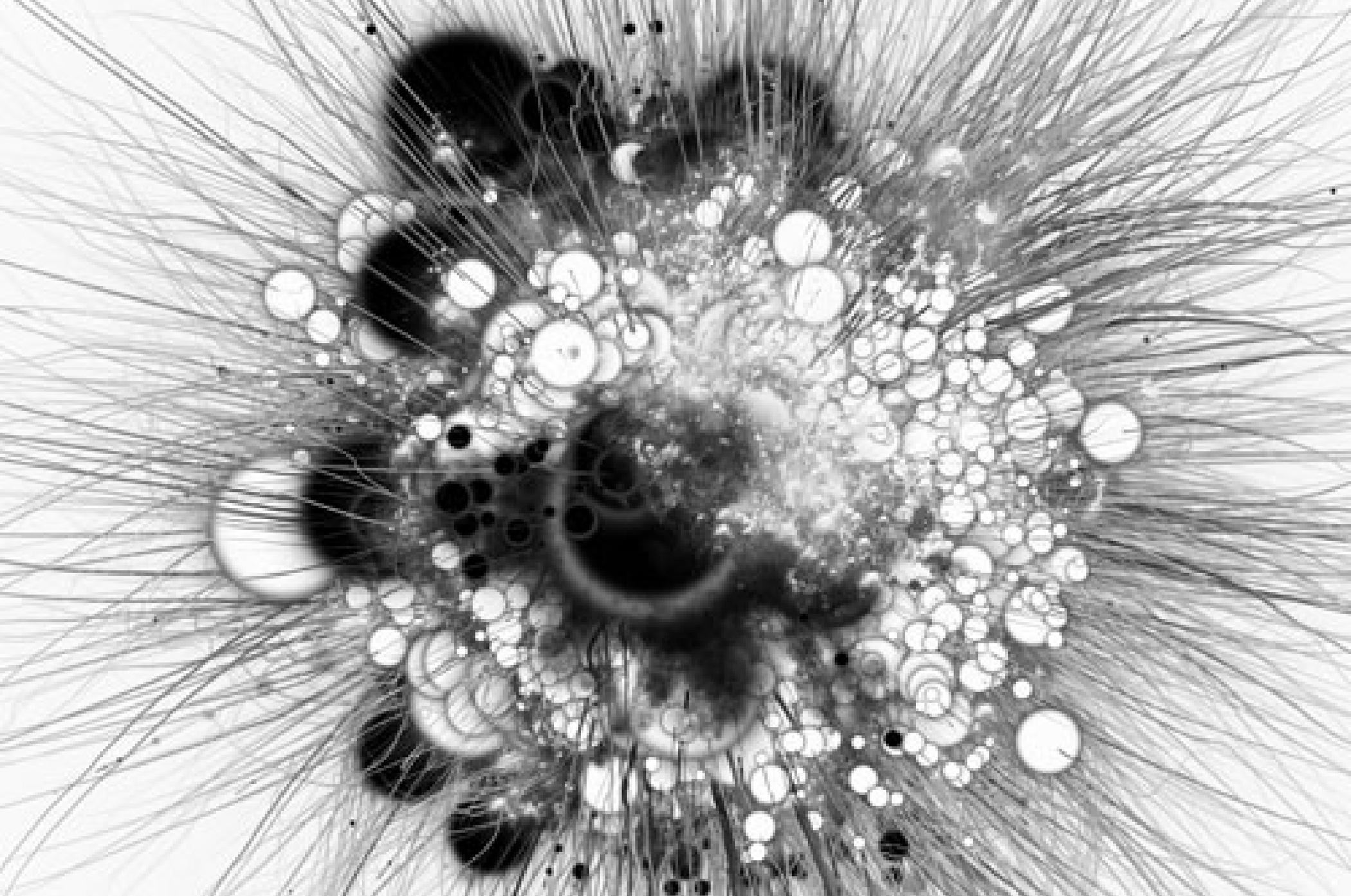


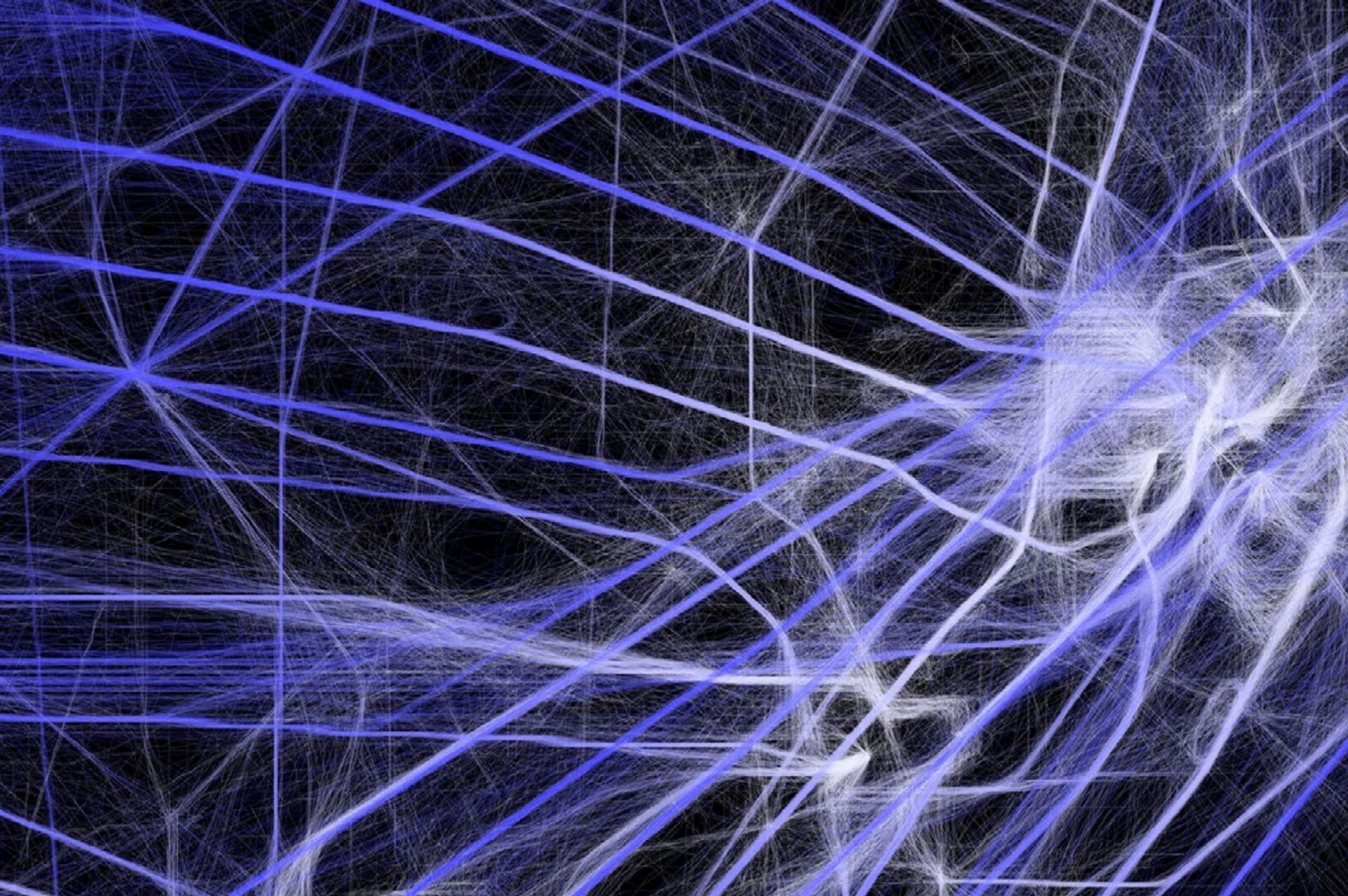
Rhizome

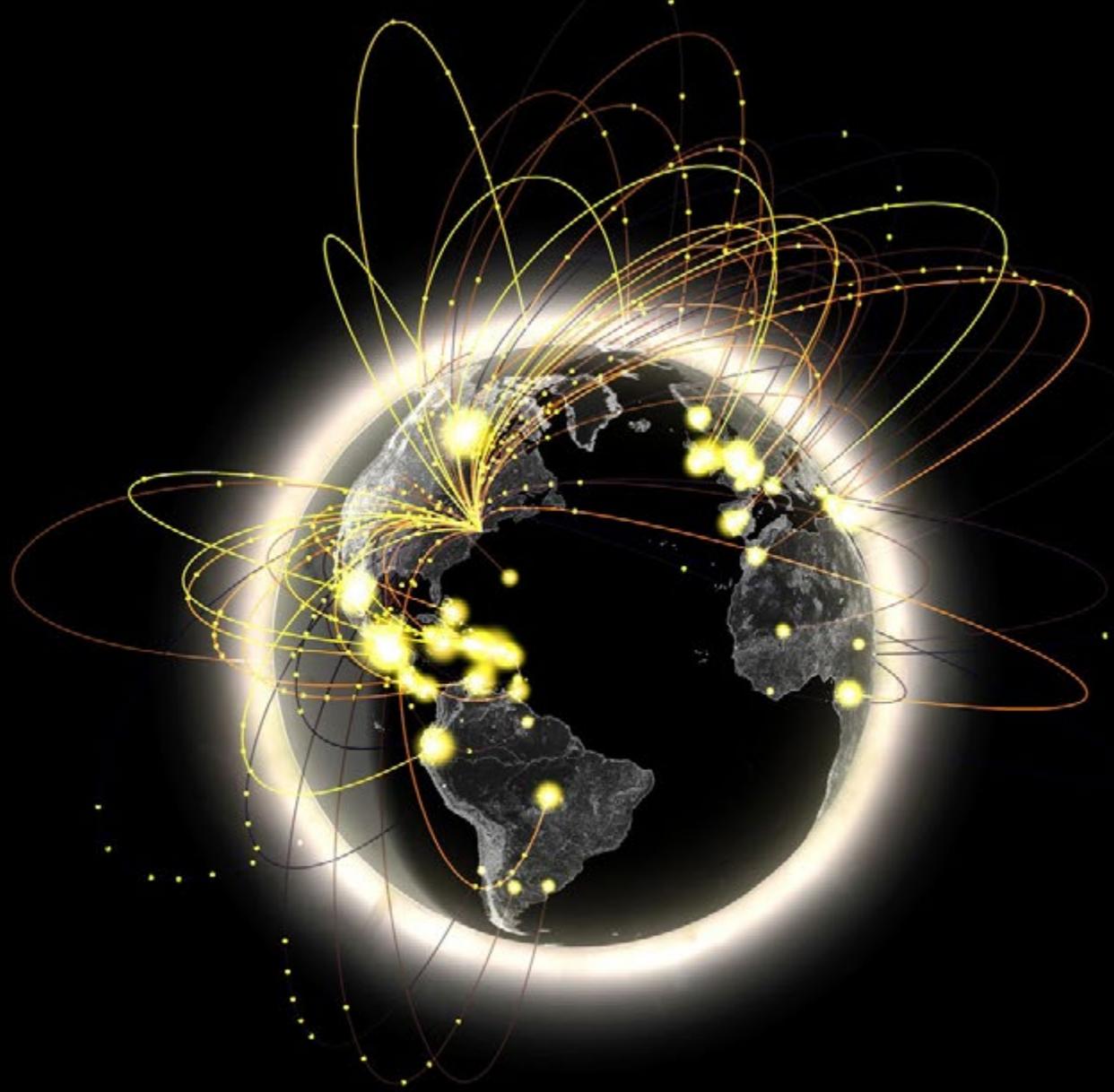




**Robert Hodgkin** has been captivated by invisible forces since he first programmed a magnetic repulsion effect six years ago. Since then, Robert has explored the phenomenon of electrostatic fields and gravitational forces, using these invisible forces to create audio visualisations, natural simulations, and artistic interpretations.







### Globe Encounters

In the Information Age, the flow of Internet traffic between locations is nearly ubiquitous. Globe Encounters visualizes the volumes of Internet data flowing between New York and cities around the world over the past 24 hours. The size of the glow on a particular city location corresponds to the amount of IP traffic flowing between that place and New York City. A larger glow implies a greater IP flow.

**IP traffic | total**  
outgoing from new york



14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

World News  
UK News  
Technology  
Society  
Science  
Business  
Life and Style  
Environment  
Education  
Culture  
Business

£14bn individual gives Duffing a much needed budget boost  
ASL brings down shutters  
Academics back Bridgend families in blaming media  
Afghan farmers' opium income rises to \$1bn  
After 10 straight victories, Obama's camp claims wide lead and urges Clinton to quit  
Amsterdam looks undaunted to ease congestion  
Apple American puts Taiwan sale on hold  
Arctic American puts Taiwan sale on hold  
Kromas's cooling remarks about Hogue collar  
Asda warns food suppliers it will clamp down on price rises  
Asda warns food suppliers it will clamp down on price rises  
Balkan murder plot denied at Duma inquest  
Banned party vows to enter polls despite arrests  
Bizarre harassment outbreak  
EU goes back to parliament  
Culinary checks back hard-passed farmers  
Closed hearing and a secret ruling have the word denied  
Concerns grow for nine-year-old girl missing for two nights  
Conservatives would criminalise forced marriage, says Cameron  
Czech shares sink despite 139% sales leap  
Cubaans cling to socialist dream  
From Wind Wing to the real thing  
Fertility clinic boasts safety and success  
How Labour used the law to keep criticism of Israel secret  
Husband denies ordering wife's murder  
Industry enjoying period of sustained demand  
Inquiry as Tories attack DNA failure  
Islamic scholars - a diplomatic no-go?  
Israel's weapons - a diplomatic no-go?  
It's bricks for the houseboat  
Kosovo border secured as Serbs  
Major disease outbreaks around  
Mayer's aide cleared of fraud  
Merkel challenges Liechtenstein  
Michelle and Cindy compete to earn citizens





# Mapping the Informal

Ephemeral

Jan Rothuizen

Soak

Attempting to produce ephemeral  
understanding through data driven  
research

Robert Hodgkin

Aaron Koblin

Data

Dave Bowker

Stephan Brautigam

Philipp Steinweber

Andreas Koller

# Mapping Techniques

## Drift

"Map reflected subjective, street-level desires and perceptions rather than a synoptic totality of the city's fabric." (231, Agency of Mapping)

## Layering

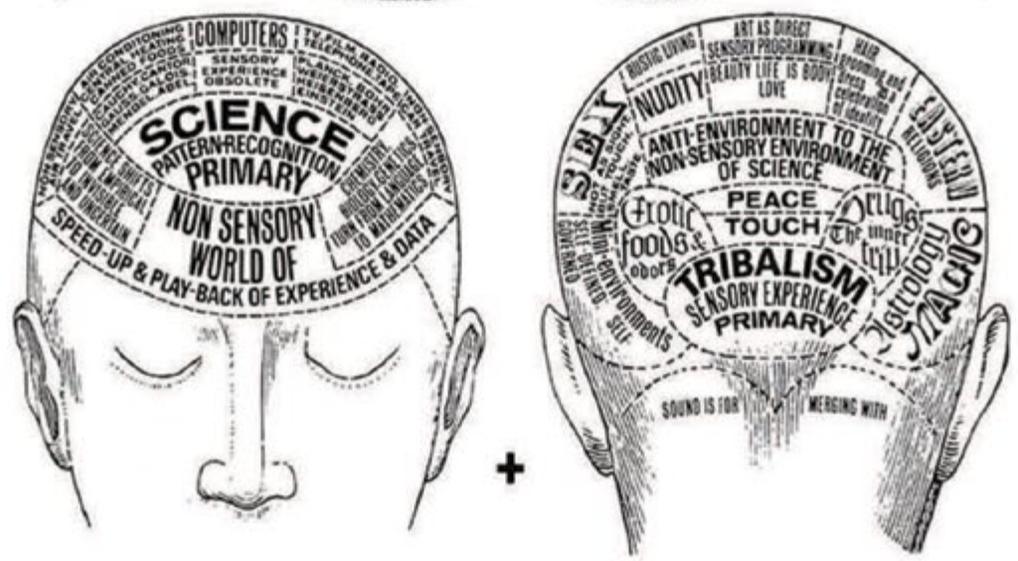
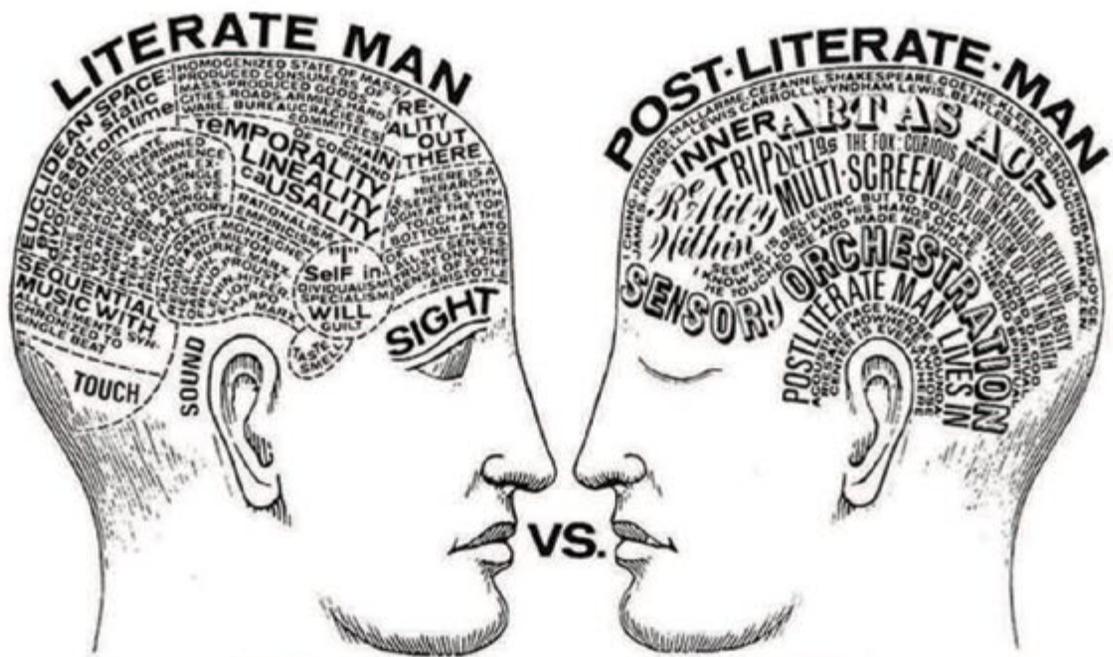
"...the superimposition of various independent layers one upon the other to produce a heterogeneous and 'thickened' surface." (235, Agency of Mapping)

## Game-Board

"...cities are dynamic and multiple; they comprise a vast range of 'players' and 'agents' whose 'effects' flow through the system, continually reworking the variety of urban spaces in any given field." (240, Agency of Mapping)

## Rhizome

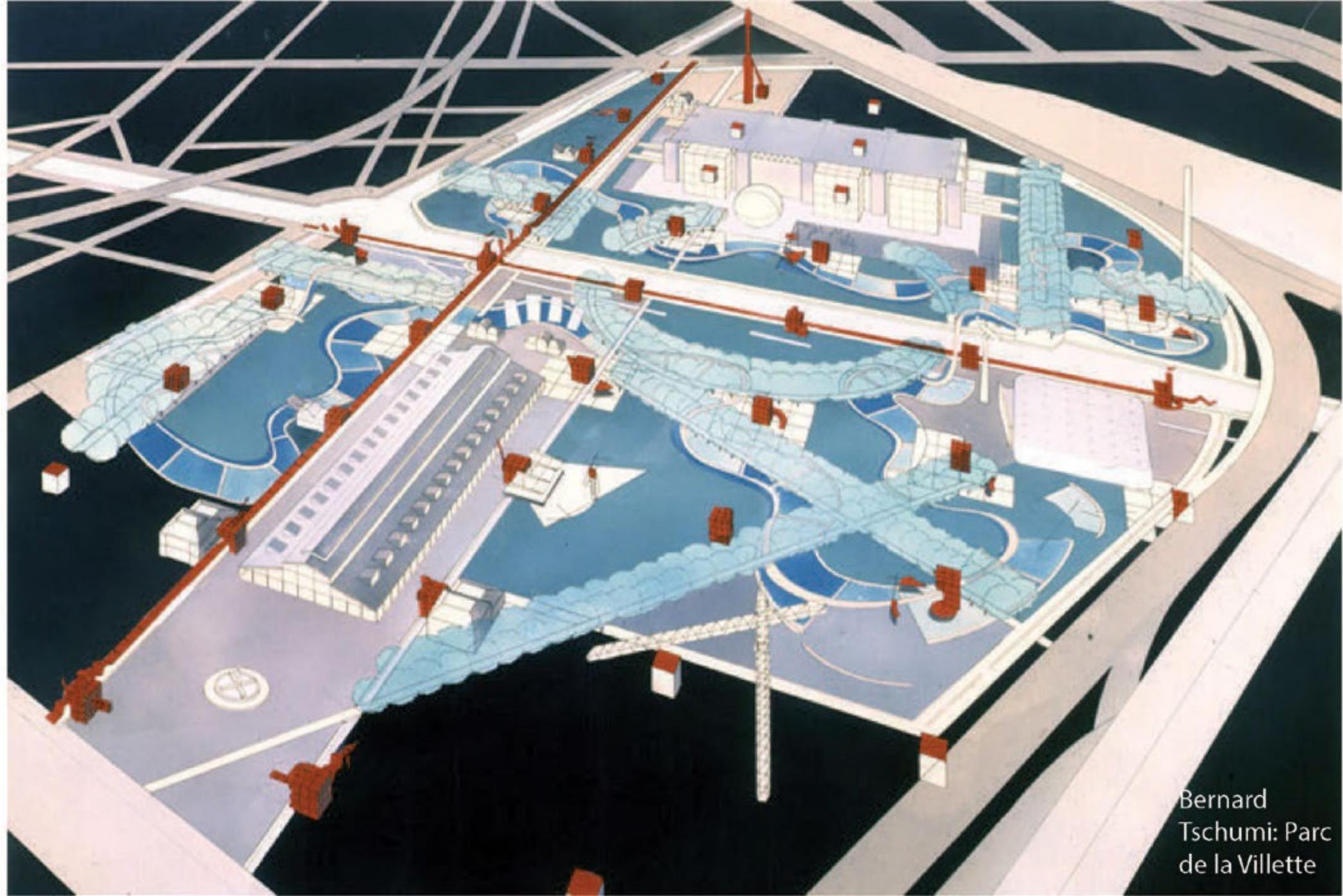
"The rhizome connects any point to any other point...it has neither beginning nor end, but always a middle (milieu) from which it grows and overflows, [constituting] linear multiplicities." (244, Agency of Mapping)



# CONTEMPORARY MAN

George Maciunas

George Maciunas  
 Proposals for Art Education from a Year Long Study Supported by the Carnegie Corporation of New York 1968-1969  
 ©George Maciunas Foundation Inc. All Rights Reserved.



Bernard  
Tschumi: Parc  
de la Villette



Raoul Bunschoten: Proposal for Bucharest, Romania

# Carte Figurative des pertes successives en hommes de l'Armée Française dans la Campagne de Russie 1812-1813.

Dessiné par M. Minard, Inspecteur Général des Ponts et Chaussées en retraite. Paris, le 20 Novembre 1869.

Les nombres d'hommes présents sont représentés par les largeurs des zones colorées à raison d'un millimètre pour dix mille hommes; ils sont de plus écrits en lettres des zones. Le rouge désigne les hommes qui ont été en Russie, le noir ceux qui en sont sortis. Les renseignements qui ont servi à dresser la carte ont été puisés dans les ouvrages de M. M. Chiers, de Fiquier, de Fezensac, de Chambray et le journal inédit de Jacob, pharmacien de l'Armée depuis le 28 Octobre.

Leur mieux faite juger à l'œil la diminution de l'armée, j'ai supposé que les corps du Prince Jérôme et du Maréchal Davout qui avaient été détachés sur Minsk et Mohilew et ont rejoint vers Orscha et Witebsk, avaient toujours marché avec l'armée.

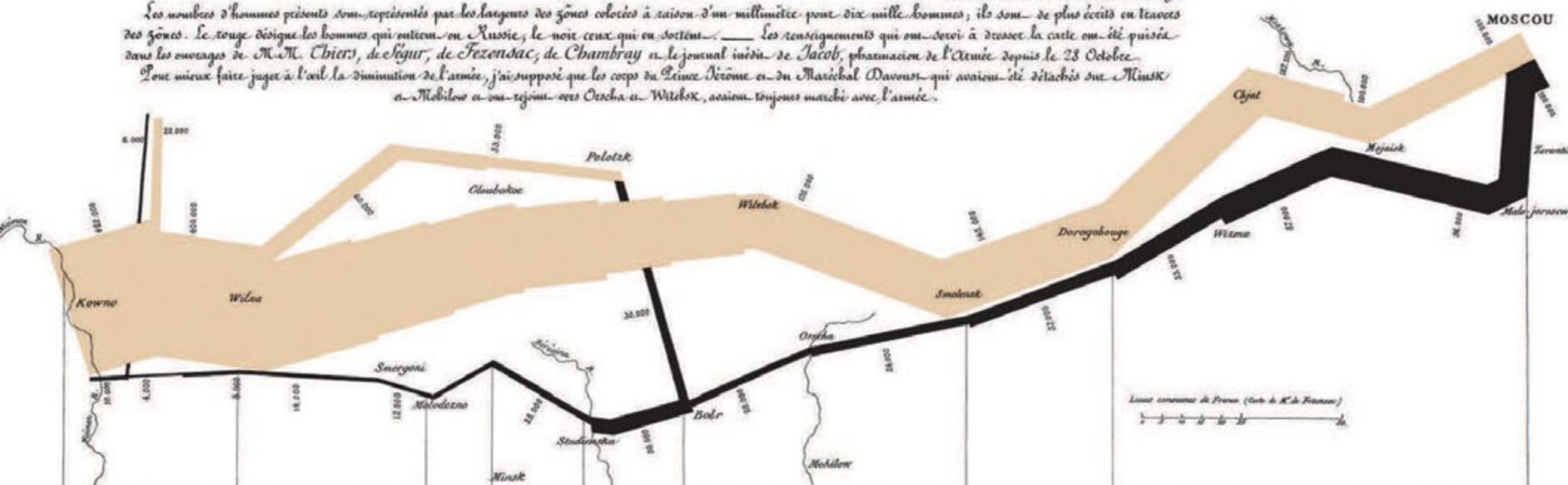
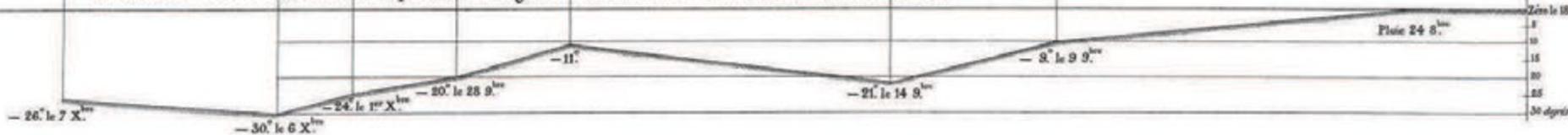


TABLEAU GRAPHIQUE de la température en degrés du thermomètre de Réaumur au dessous de zéro.



Les Cosaques passent au galep le Niémen gelé.

Imp. par Raynoir, à Paris. 57° Marie 51 000 à Paris.

Imp. Lit. Raynoir à Paris.

Charles Joseph Minard: Narrative map of Napoleon's army in Russia

# Experience Driven Diagram

## Case Study: SOAK

### Image Lexicon

#### Photosection

A Photosection sequence that cuts through time and space with rhythm and purpose.

#### Line Drawing

A drawing that constructs a landscape from a terrain by calling out things - objects, topographies, divides.

#### Terrain Plot

A composite print that weaves two or more landscapes on a gradient to allow new extractions and meanings.

#### Mithiterrain

A ground that extends from the confined Mithi of maps through the agency of design projects that build resilience.

#### Photowalk

A photographic recording that gathers moments, rhythms and adjacencies of a terrain.

#### Project

A layered drawing that transforms a photowalk through naming, sectioning, seeding, and programming.

Place

Ground

Armature

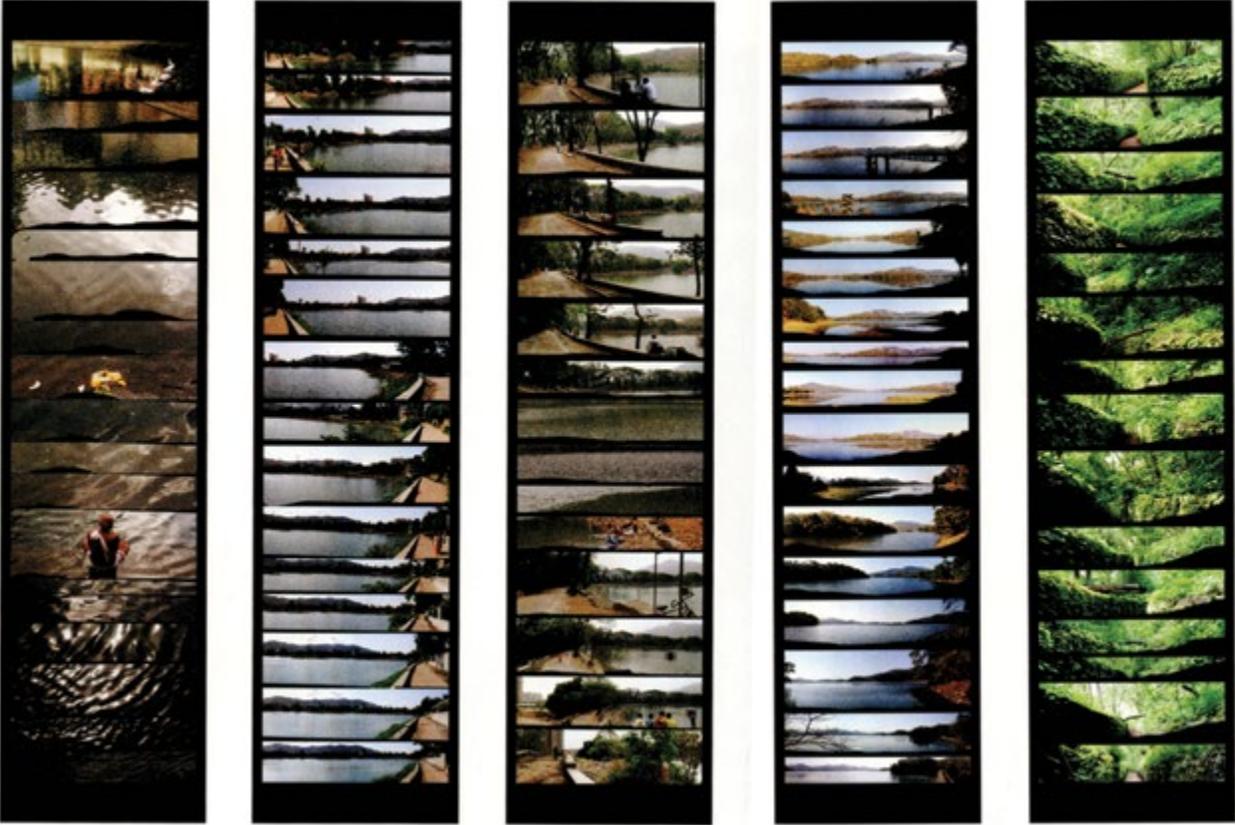
Notation

#### Perspective

A sequence of montages that relate multiple initiations on a horizon

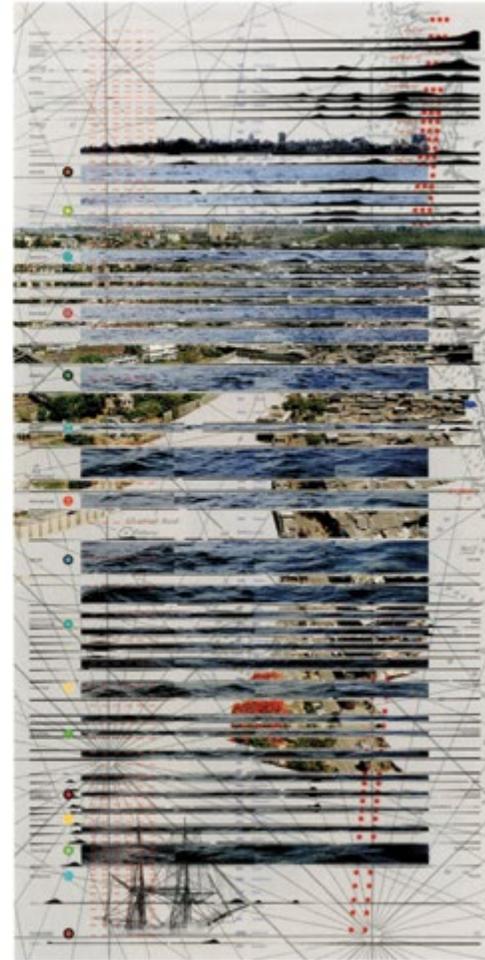
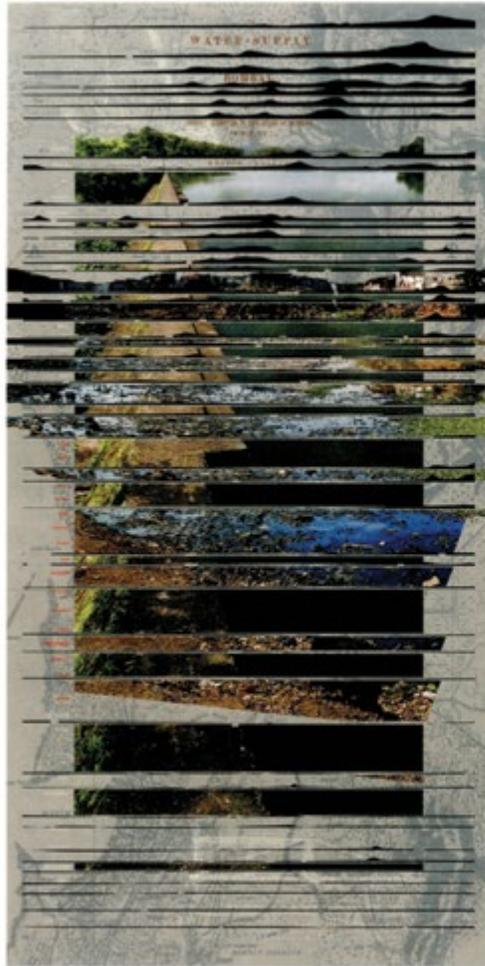
# Photosection

A Photosection sequence that cuts through time and space with rhythm and purpose.



# Terrain Plot

A composite print that weaves two or more landscapes on a gradient to allow new extractions and meanings.



# Photowalk

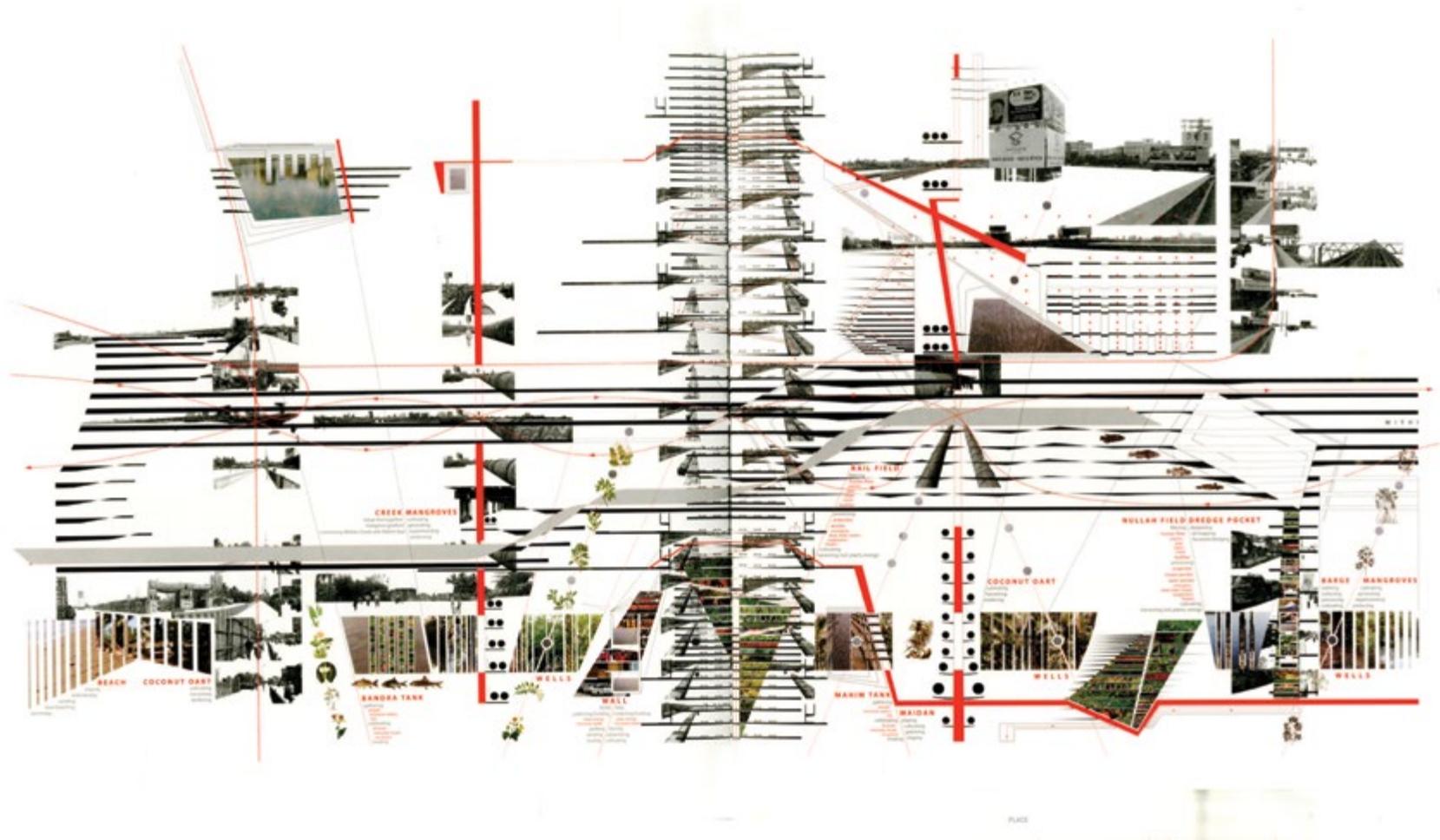
A photographic recording that gathers moments, rhythms and adjacencies of a terrain.





# Project

A layered drawing that transforms a photowalk through naming, sectioning, seeding, and programming.



## Place

A field of names that refer to strategic and tactical operators of a terrain.

## Ground

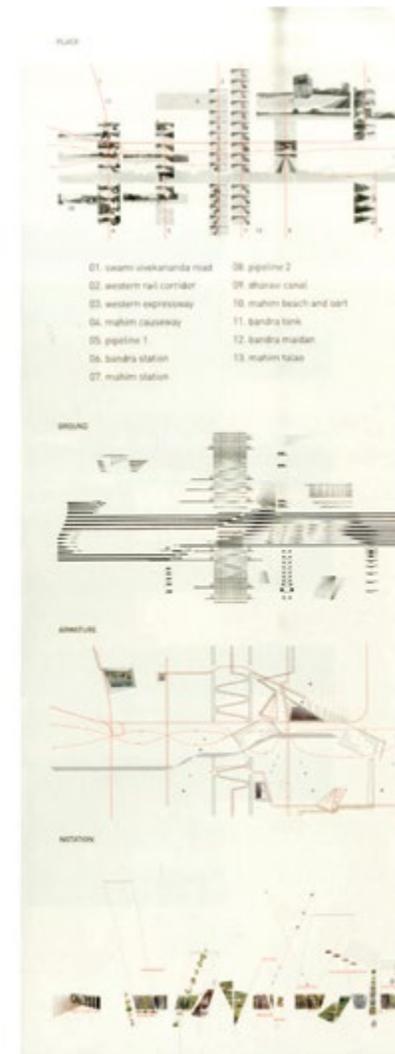
A sequence of sections through a photowalk

## Armature

An infrastructure that holds the seeds of a project

## Notation

A program of pccupancies in time and place



# Perspective

A sequence of montages that relate multiple initiations on a horizon



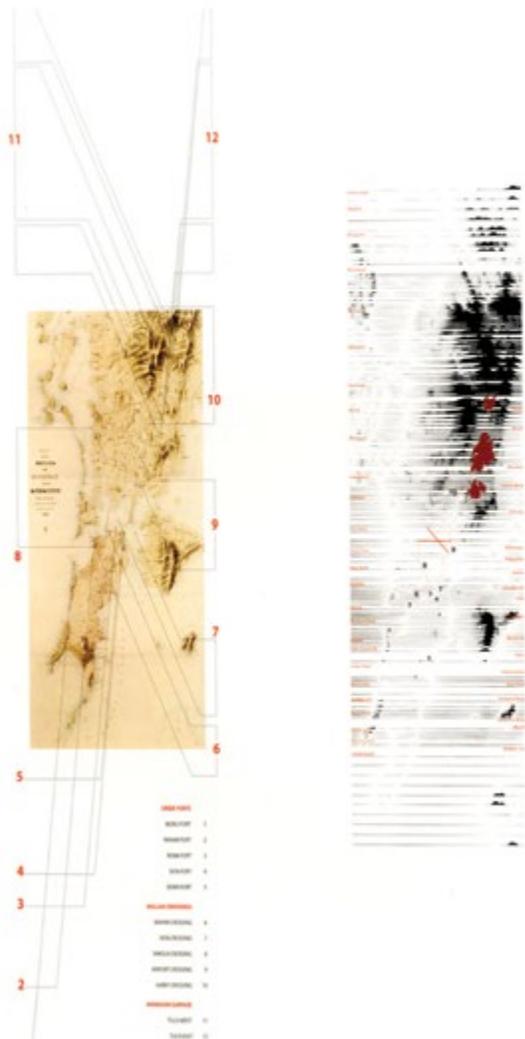
# Line Drawing

A drawing that constructs a landscape from a terrain by calling out things - objects, topographies, divides.



# Mithiterrain

A ground that extends from the confined Mithi of maps through the agency of design projects that build resilience.



## Dabbawala Dilibery System Diagram

There are four main codes written on the top of tiffins (dabbas), which direct three or more exchanges (shuffles) of tiffins between Dabbawalas in the process of delivery from individual homes to office areas.

Each time when two Dabbawalas meet, they process one exchange of dabbas based on next code on the dabbas. And dabbawalas categorize all dabbas every time when the dabbas they carry change based on the following code.

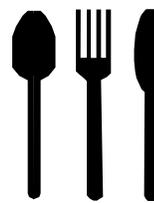
**Resident Station Code**  
the dabbawala has to take care of this dabba (his precise delivery area)

**Resident Station Pickup Group Code**  
a team of dabbawalas operating in a precise station



**Destination Pickup Group Code;**  
**Destination Address Code;**  
**Final Destination;**

**Destination Station Code**  
ex:12: Andheri-Bombay Central-Andheri;  
31: Bandra-Bombay Central-Bandra  
212: Borivali-Churchgate (Colaba area)  
313: Borivali-Churchgate (Nariman Point)



Desire of home-made proper food



Questions of status for employees



Inconvenience of bringing lunchbox in train rush hours

Suburban residential area

Linear railway system

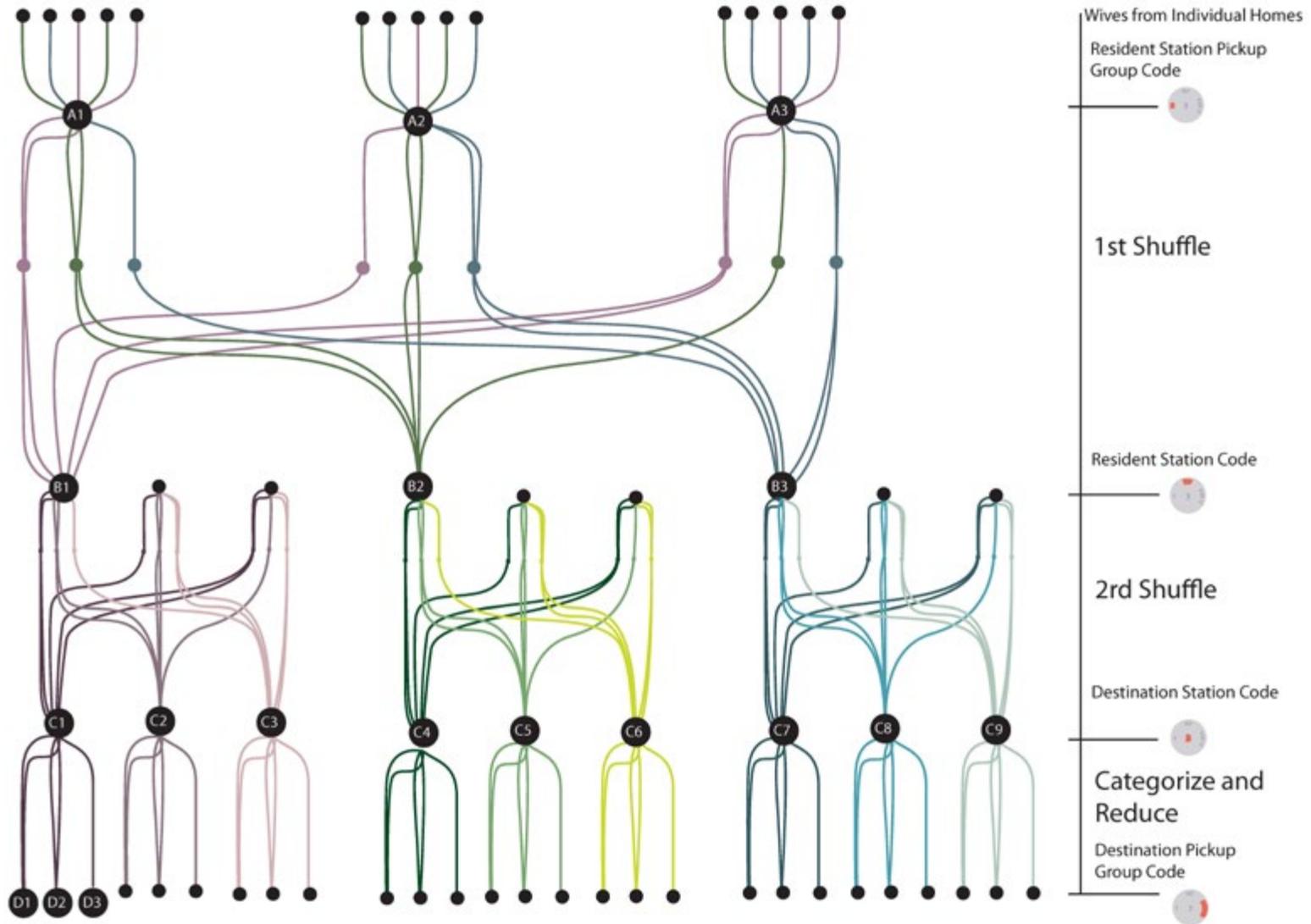
Business and office area



Linear city structure

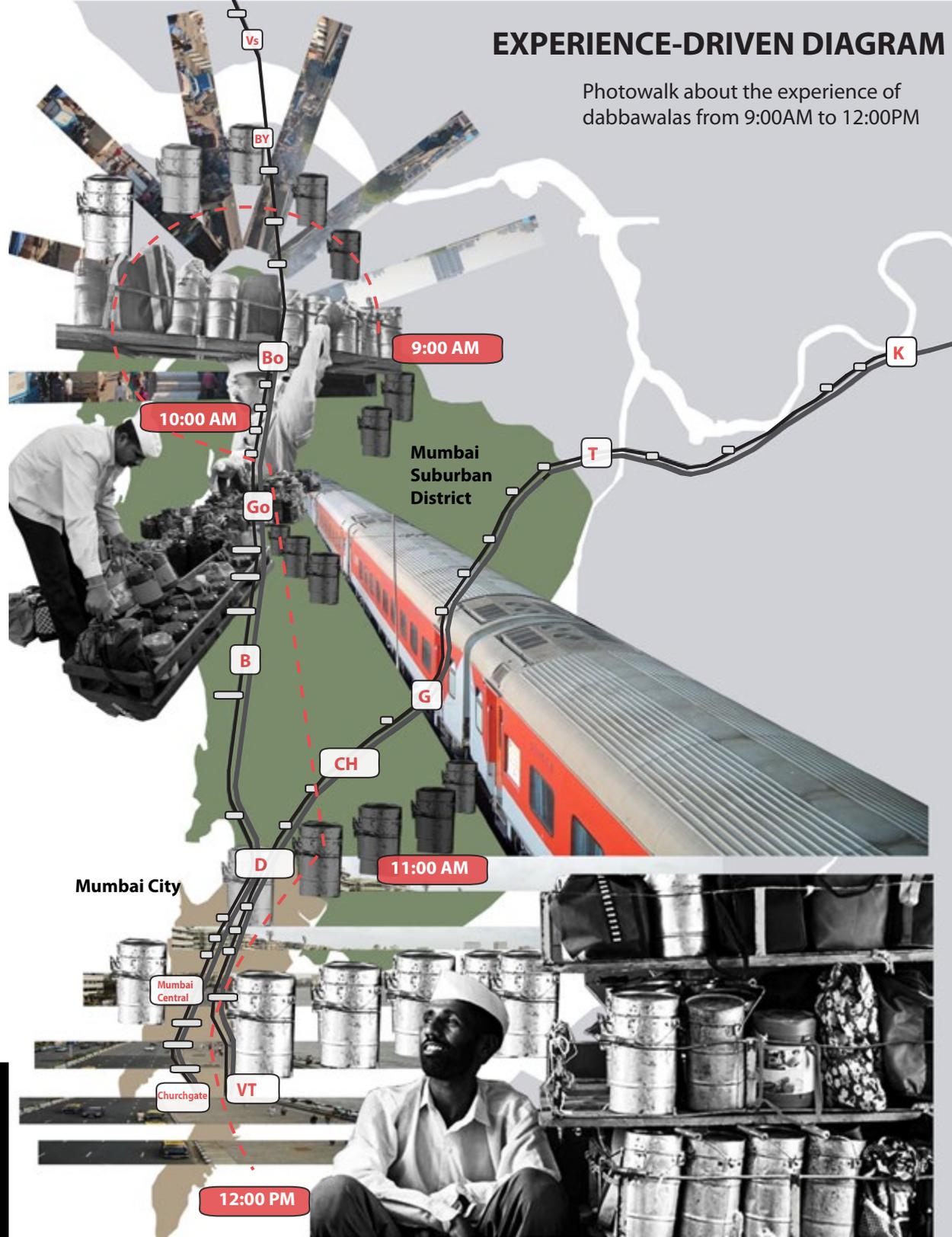
## Dabbawalas: The Tiffin Carriers

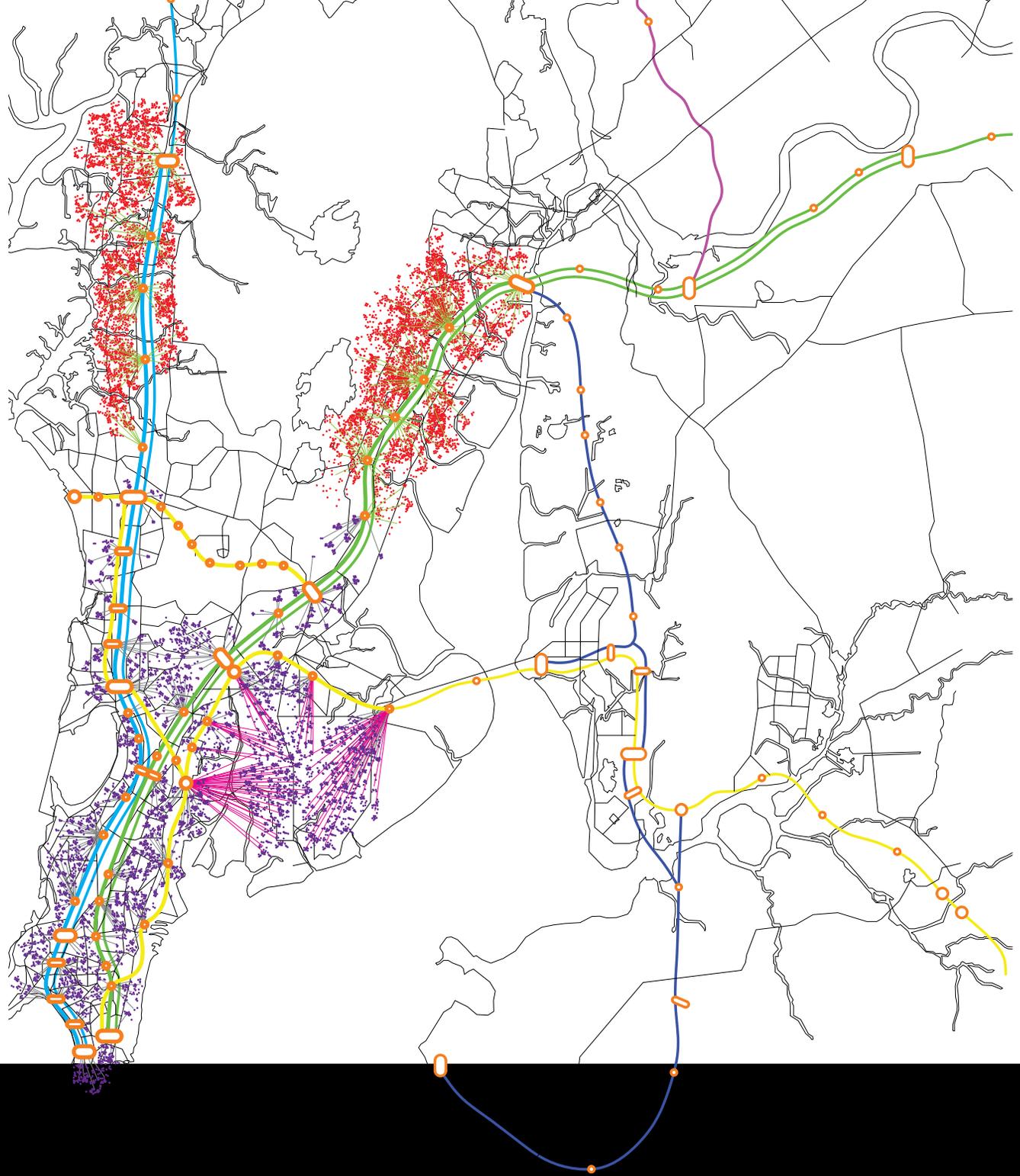


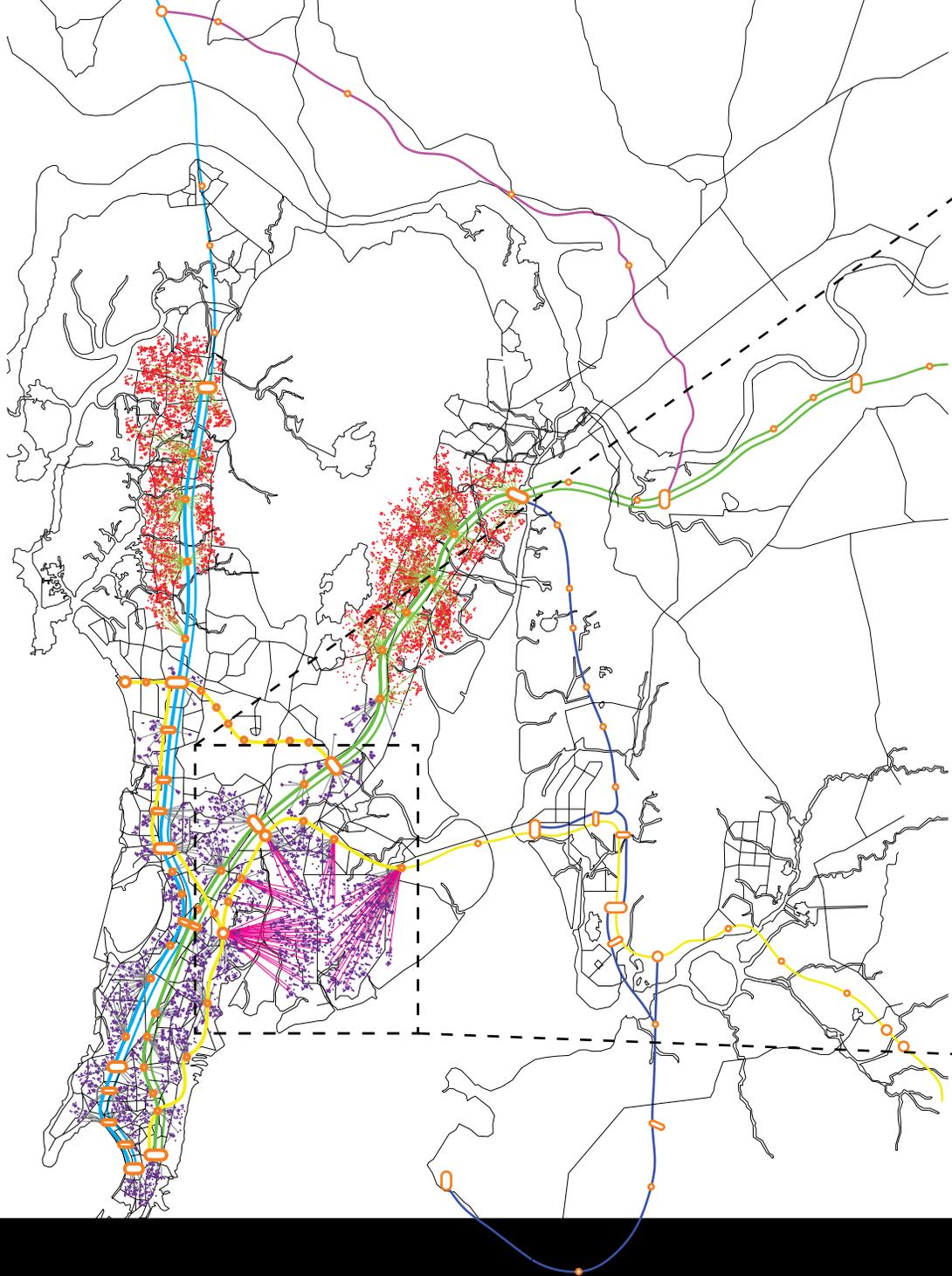


# EXPERIENCE-DRIVEN DIAGRAM

Photowalk about the experience of dabbawalas from 9:00AM to 12:00PM







## Health Services

Sanitation workers - Chemical testing products

- Portable potties

Doctors - Medicine

- Stethoscope
- Other testing tools
- Stretchers

