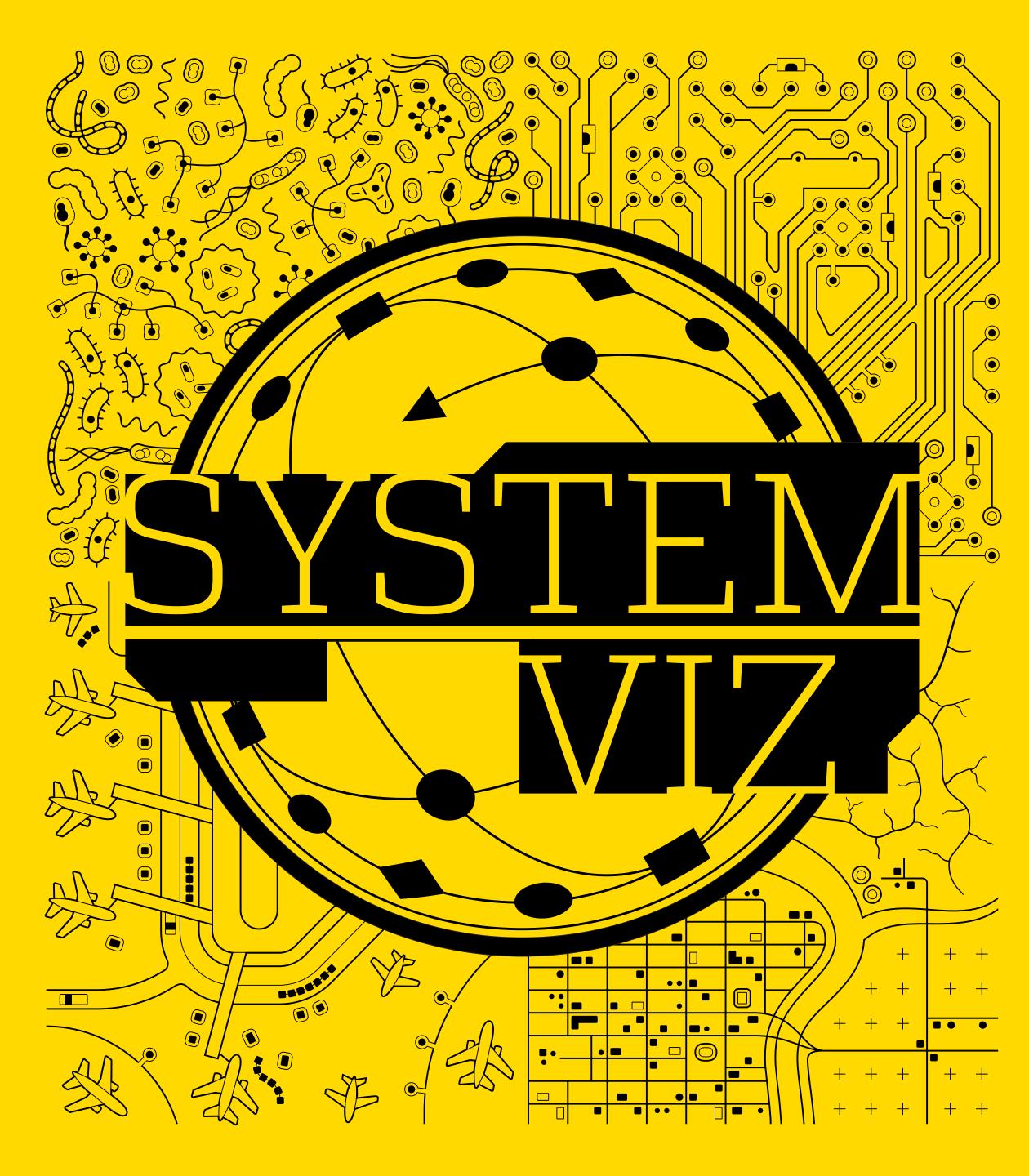




## elanica

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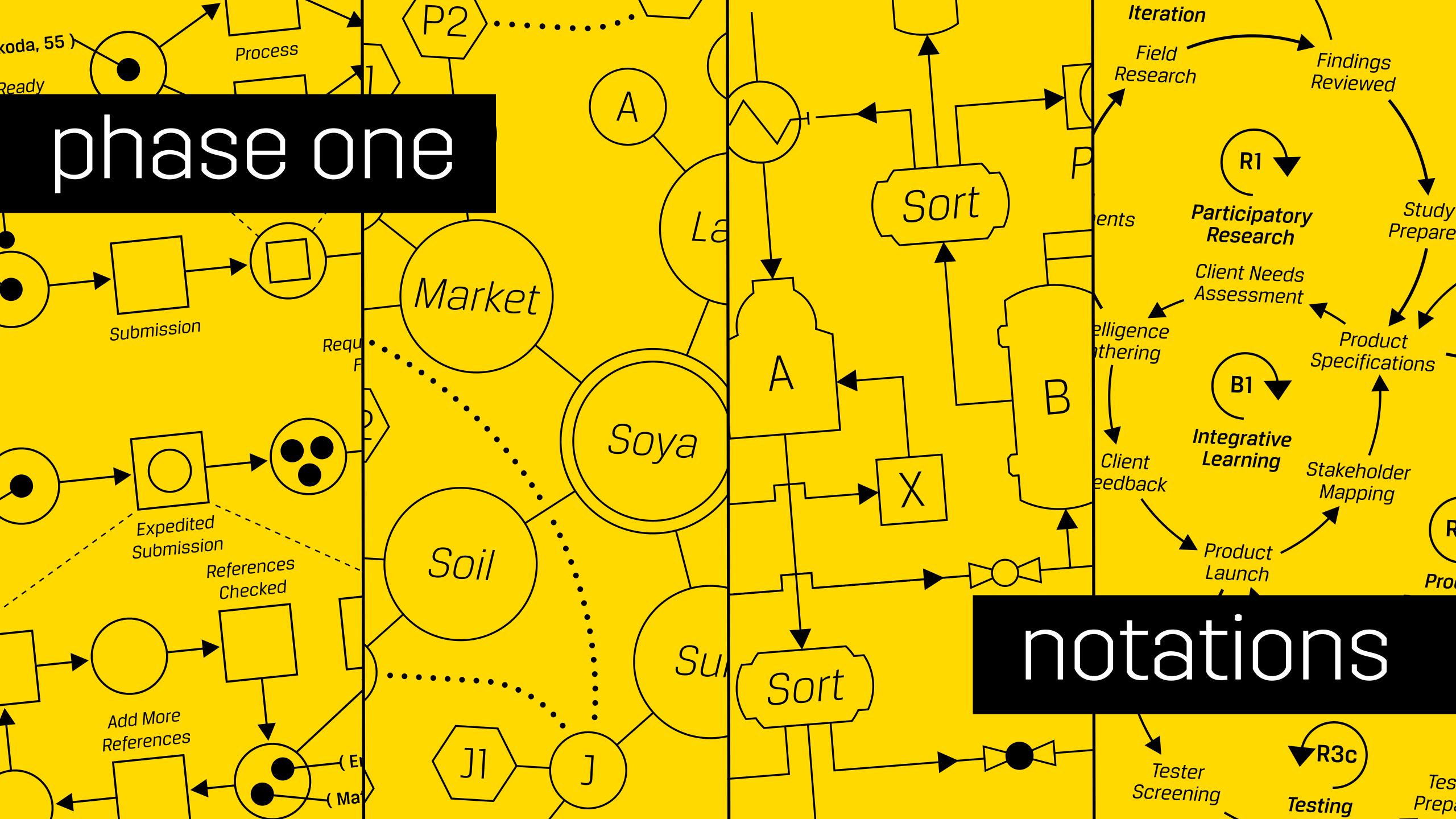


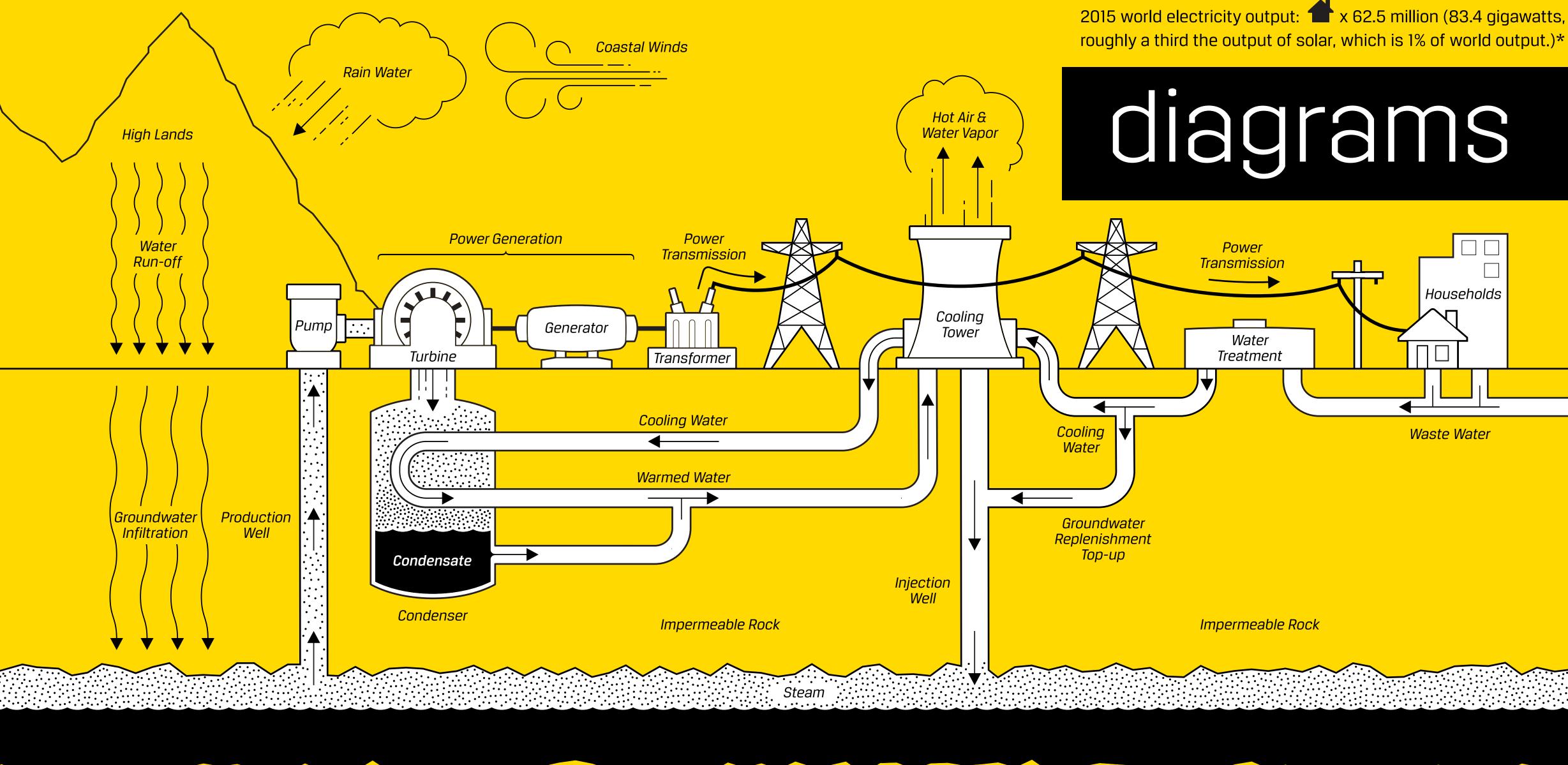
## visualizing systems

### PETER STOYKO

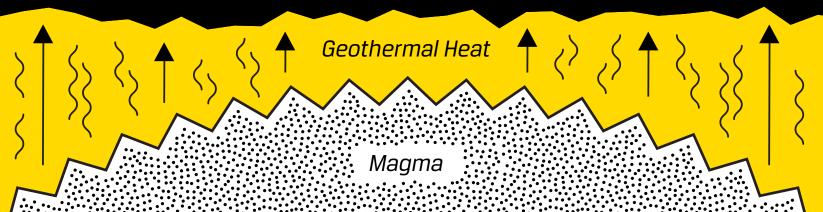
**PROJECT OVERVIEW** 

25 • 10 • 19





Conductive Rock



Conductive Rock

\* World Energy Council, *World Energy Resources* –2016 (London: World Energy Council, 2016)



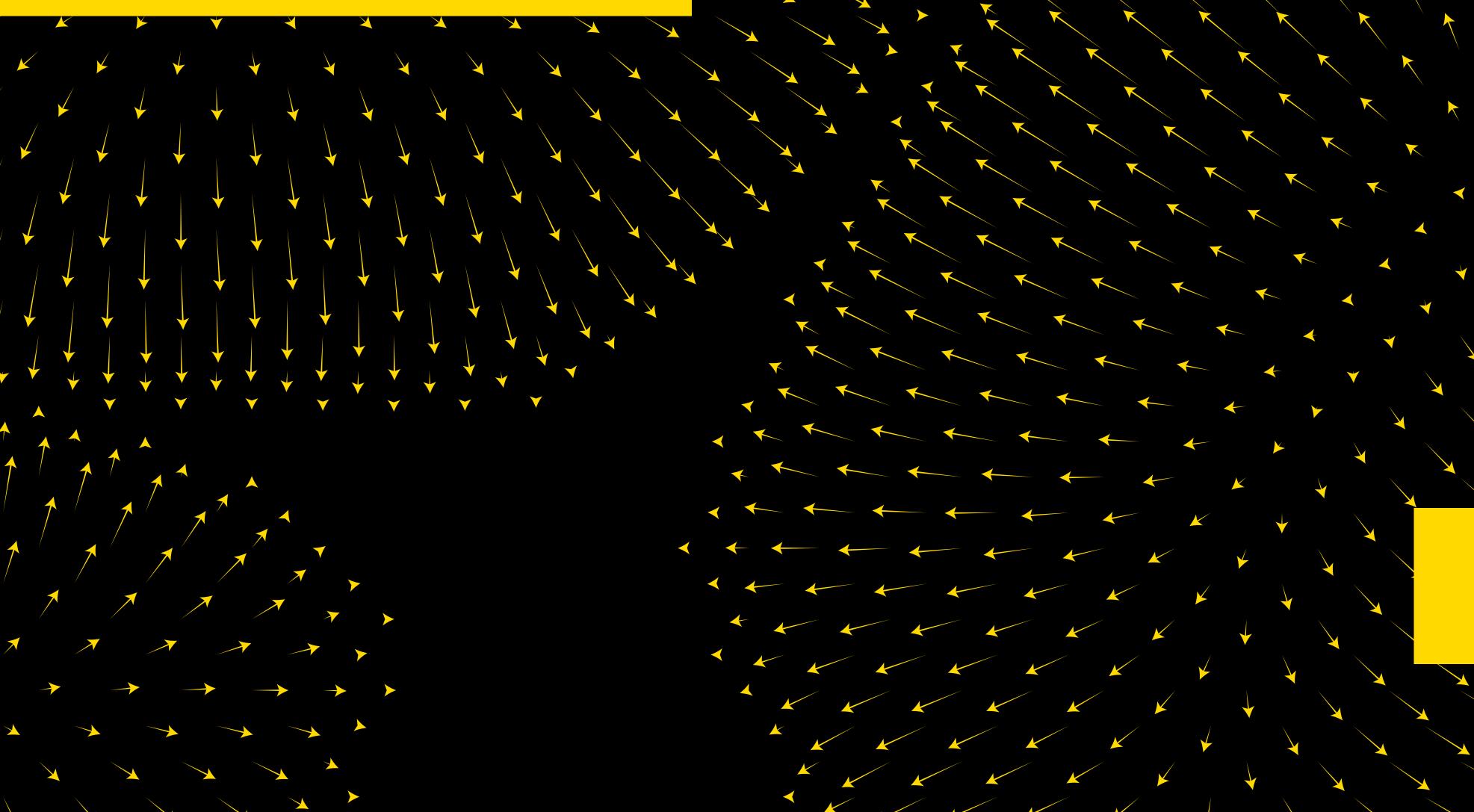


## phase two





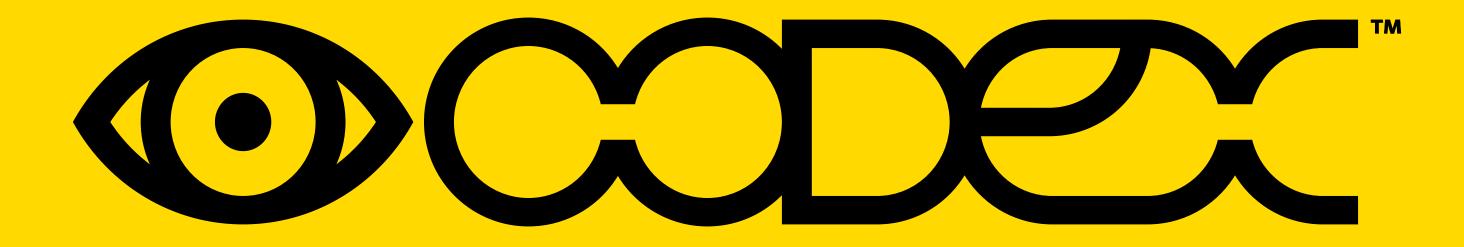
## next phase



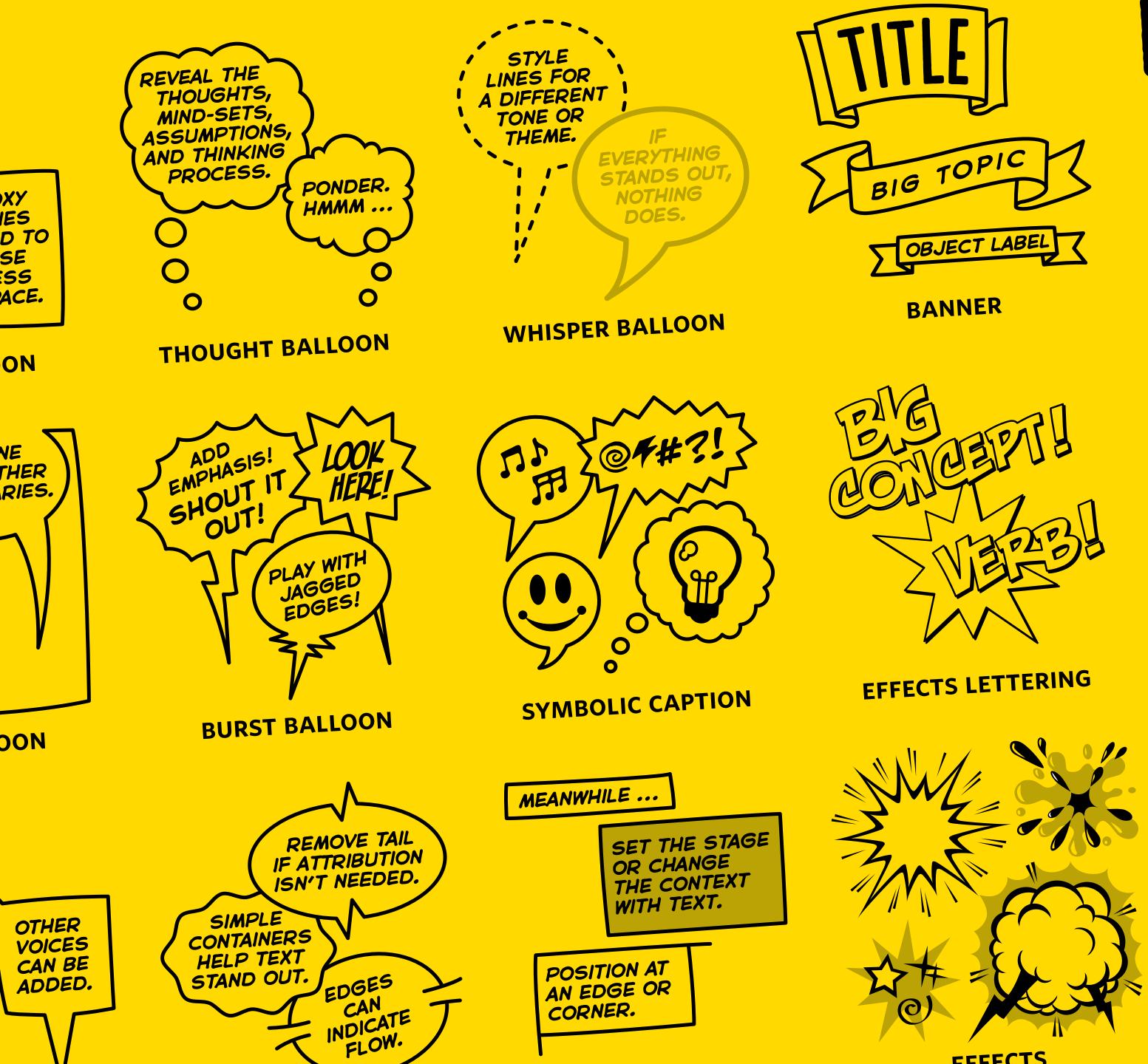
## motion



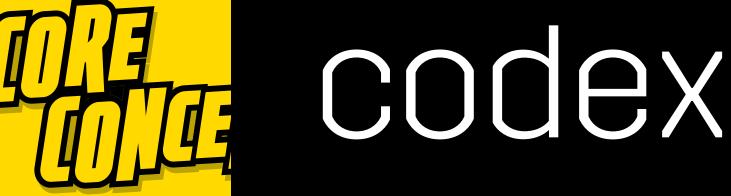




### **PRODUCT LINE:** PRACTICAL LEARNING TOOLS THAT INVENTORY A SUBJECT AREA







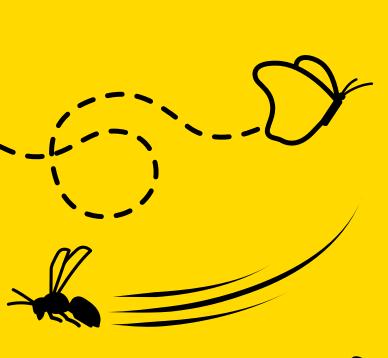
THEMED LETTERING

### **MOTION LINE (SHAKE)**

ELECTS



**MOTION LINE** 





**MOTION LINE (TRAIL)** 





SURFACE LABEL



### INTRODUCTION

Archives consist of information that has been systematically organised and employs the basic principles of archival science. Society's need for archives was born from the gathering of knowledge.

Historically this was stored mentally and related orally for posterity however the ability to store externally provides accuracy unmatched by the capacity of the human brain.

In this respect, philosophers such as Socrates or Derrida have criticised it as "a system of forgetting," arguing that there is no longer any pressing need to remember after information has been written down. The quantity of nformation that exists has vastly ncreased without emphasis on moving or deleting the redundant. his issue of MAP concerns itself th the enatio

### process could not be applied to the practice of modern archiving. Due to the quantity of information available to archive, material was only archival if it was preserved for reasons beyond which it was created for. He believed the emphasis should not be on the records themselves but on the researchers who would utilise them. This question is still controversial, accessibility hastens deterioration, but preventing the use of archives renders them redundant.

Manual

### MEDIA

Externally stored information is consigned to last as long as the

-eliable, nothing is less lear today than the word archive... is more troubled and more Nothing is less h.

endicing value

LAURO LAURO LAURO

1. Of or pertaining to archive 2. Records - having enduring in permanent 3 Records media: Durable lacking 3 Records media: Durable and and antibial interest vice, long-lived see archite quality: 4. Procedures Following accepted indiards shat ensure maximum

"According to a 2007 BBC report, the Vatican library (1.5 million books on 37 million of cholwing) was literally cinking

Miles of shelving) was literally sinking es more than the libraries of the Vest had held before. As Anthony Grafton commented "This surplus was really the archive, and this surplus was keeps civilization going, with all of its awareness of the past." 11,000,000

The greatest challenges facing these vast collections, is space. When the British Library moved into it's new building in 1998 it was at that point the largest public building constructed in the UK in the 20th century. Due to the quantites of items added to the collection, roughly 3 million per Above: graph explaining the number year, an additional warehouse costing of books contained within the largest £26 million was built in 2009 outside libraries in the world, including the London to house another 7 mills date each was founded in

18500000

13,500,000

20000000

A Data Centre is a repository that stores, manages and distributes data on a large number of servers (computers) for a secondary party, (computers) for a secondary or an (which could be a company or an individual), where information is individual, where information is accessed virtually over the Internet.

The design of data centres is minimalistic, however cost per square meter can be significant, for example, meter can be significant, for example, Apple's new data centre in North Voa was estimated to cost \$1 a can occupy one

## inspiration

60,944 m<sup>2</sup>. It is cited as the single most



### iress to acquire its 29 million books and 15 minutes for the world to produce an

all videos watched on deo a part of YouTube's video

LIBRARY OF CONGRESS 20 terabytes of text data, 5 million digital documents and additional enalogue material available to the public public.

SOCIAL NETWORKS Social Networks are a relatively new Societ, consisting of individuals linked by one or several common factors, for example, friendatio, common internet or similar beliefs through the internet. The increasing popularity of social networks has spawned the term the Attention Age. The Ubrary of Congress announced it would be archiving Attention Age. The Conservations announced it would be archiving the social networking site Twitter's outage mining a creates and the amage mut

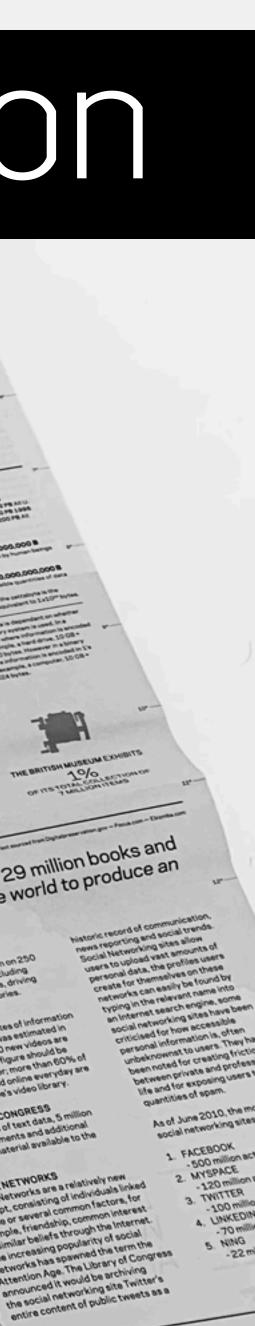
"One Data Centre" is located in the bedrock beneath Uspenski Cathedra, one of the state of the s

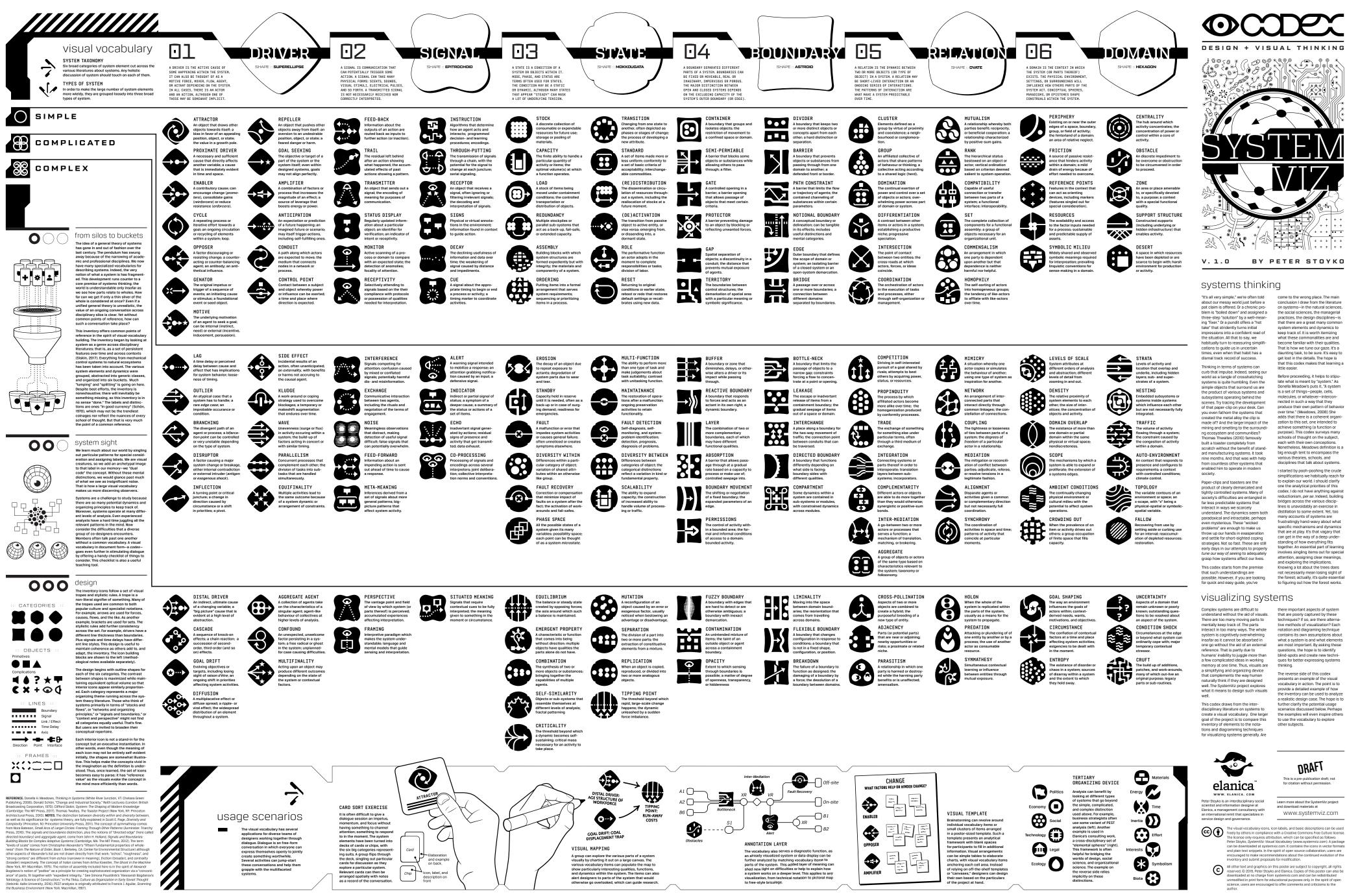
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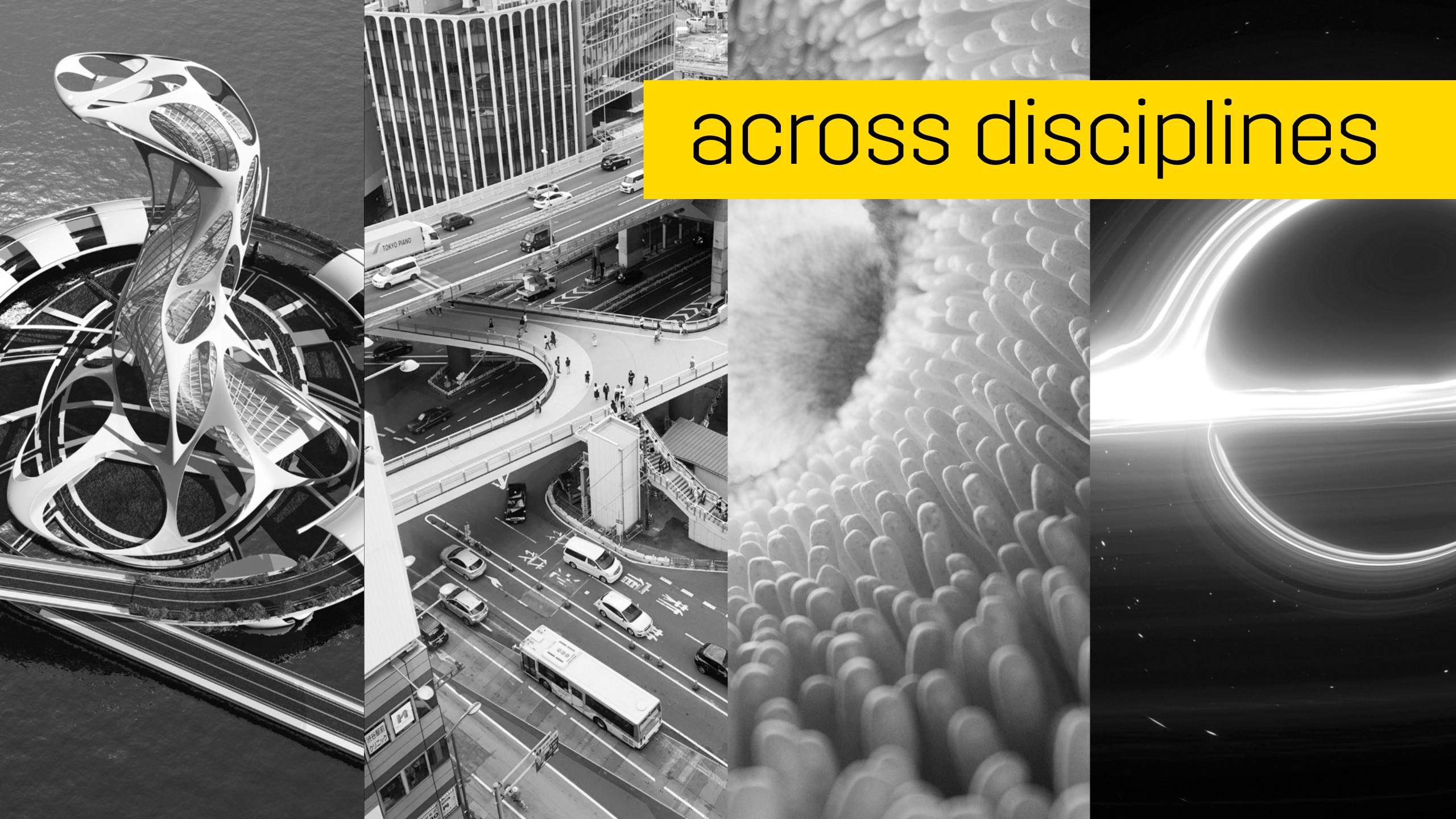
"Data centers worldwide now consume bala centers wondwide now consume more energy annually than Sweden. And the amount of operational is anothing more energy annually than oweuers rule the amount of energy required is growing, says Jonathan Koomey, a scientist at Lawrence Berkeley National Laboratory Says Jonathan Koomey, a scientist at Lawrence Berkeley National Laboratory. From 2000 to 2005, the aggregate electricity use by data centers doubled. The cloud, he calculates, consume percent of the world's electricity." percent of the world's electricity."

2% of all power consumed in the US is from data centres. Only 40-45% of this energy is needed for processing data, the rest is either lost through inefficiencies or used in temperature data, the rest is either lost through inefficiencies or used in temperature moderation. The indoor environment is risecously controlled burnistics in moderation. The indoor environment is rigorously controlled; humidity is 40-55% and the temperature can not rise above 24°C or drop below 16°C. Physical access to the site is reactificated Physical access to the site is restricted to select personnel, with controls including bollards, mantraps, video camera surveillance and permanent

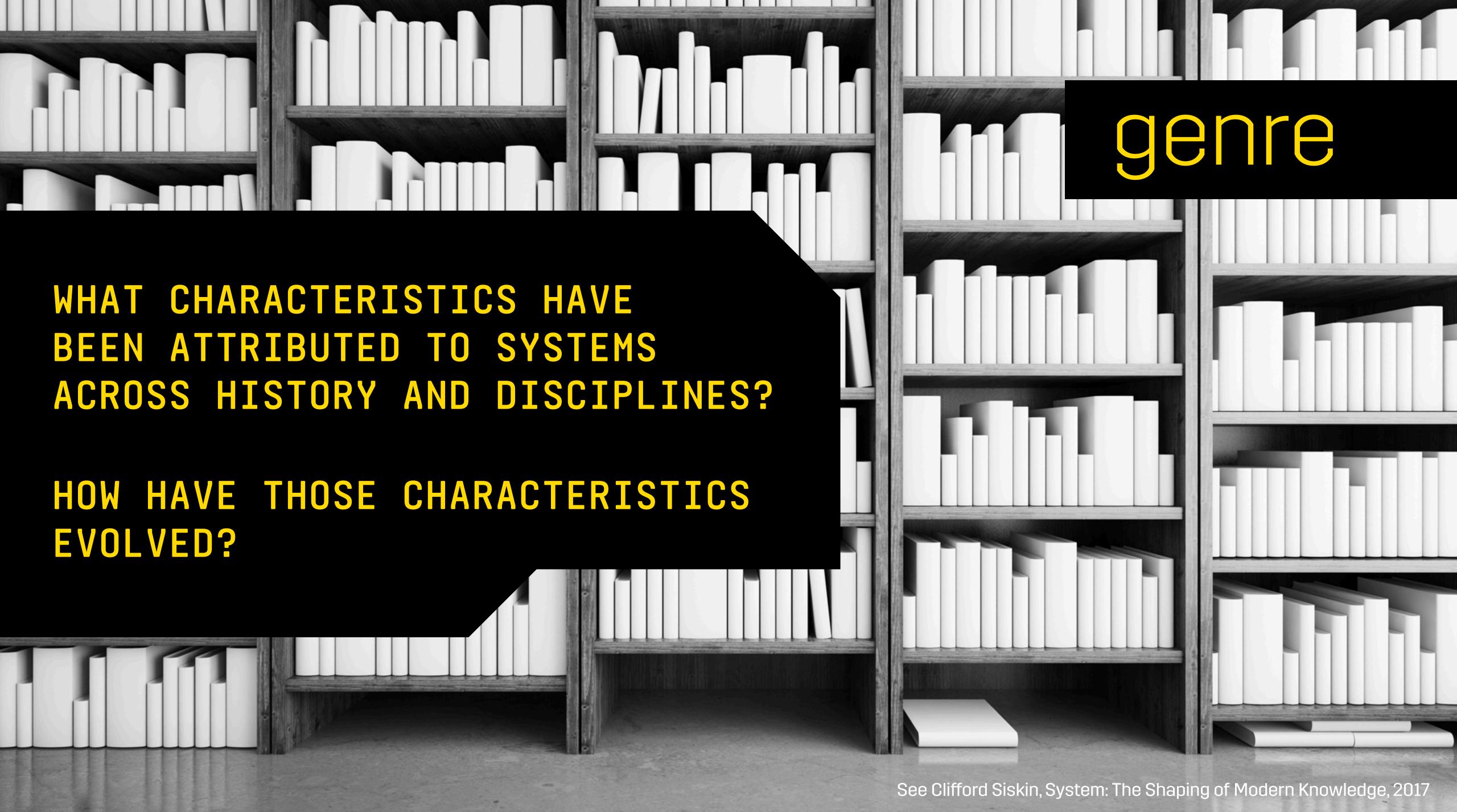
security. formation capacity of one e; for example,



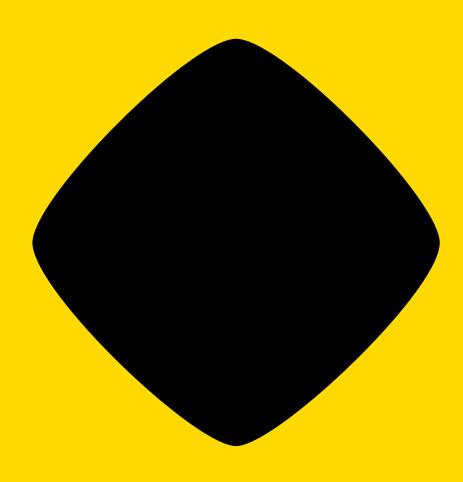


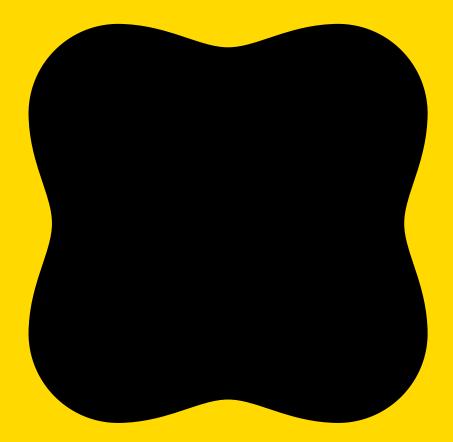






### DRIVERS

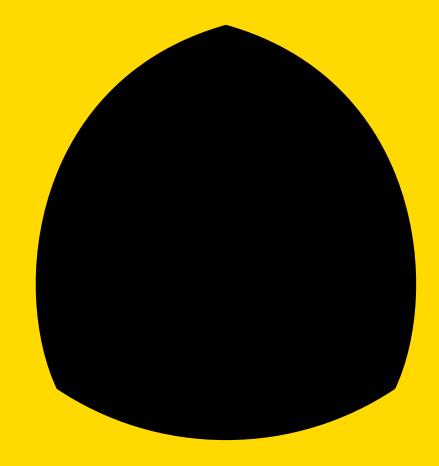




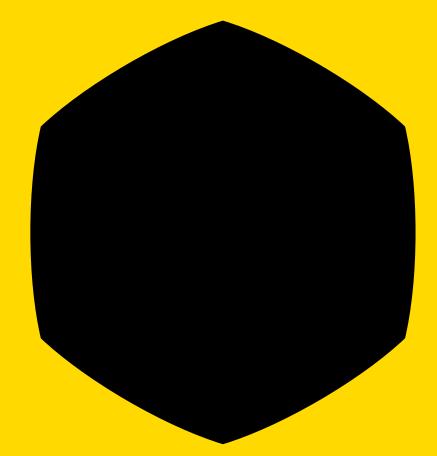
### SIGNAL

### STATE

### RELATION







### BOUNDARY

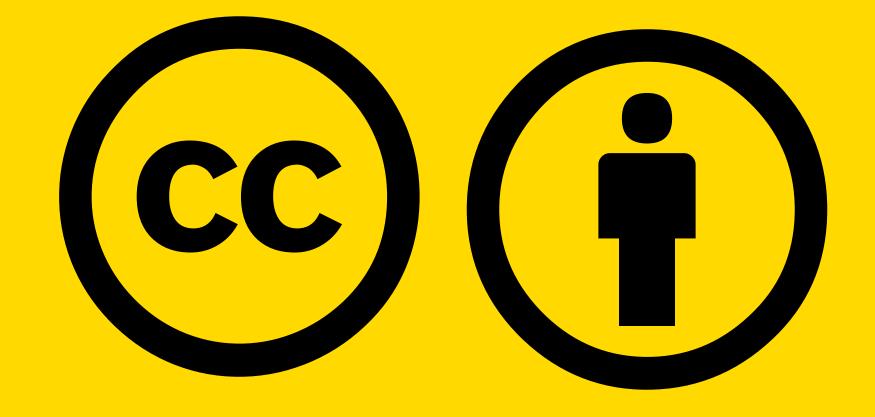
### DOMAIN









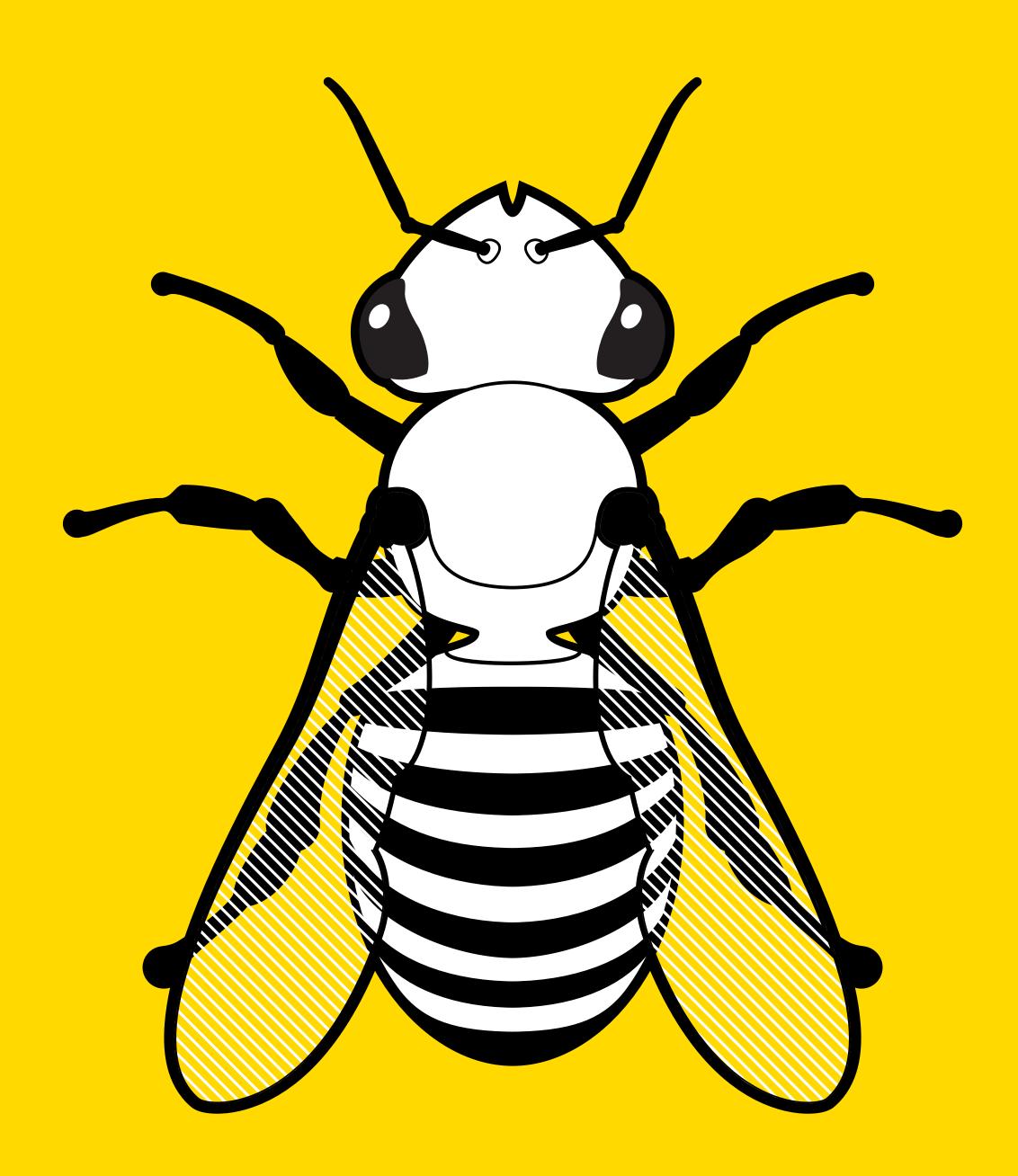


### FURTHERING THE DISCIPLINE THROUGH SHARING: WHAT CAN OTHERS DO WITH THE CODEX?

## open

### CREATIVE COMMONS FREE CULTURE LICENSE



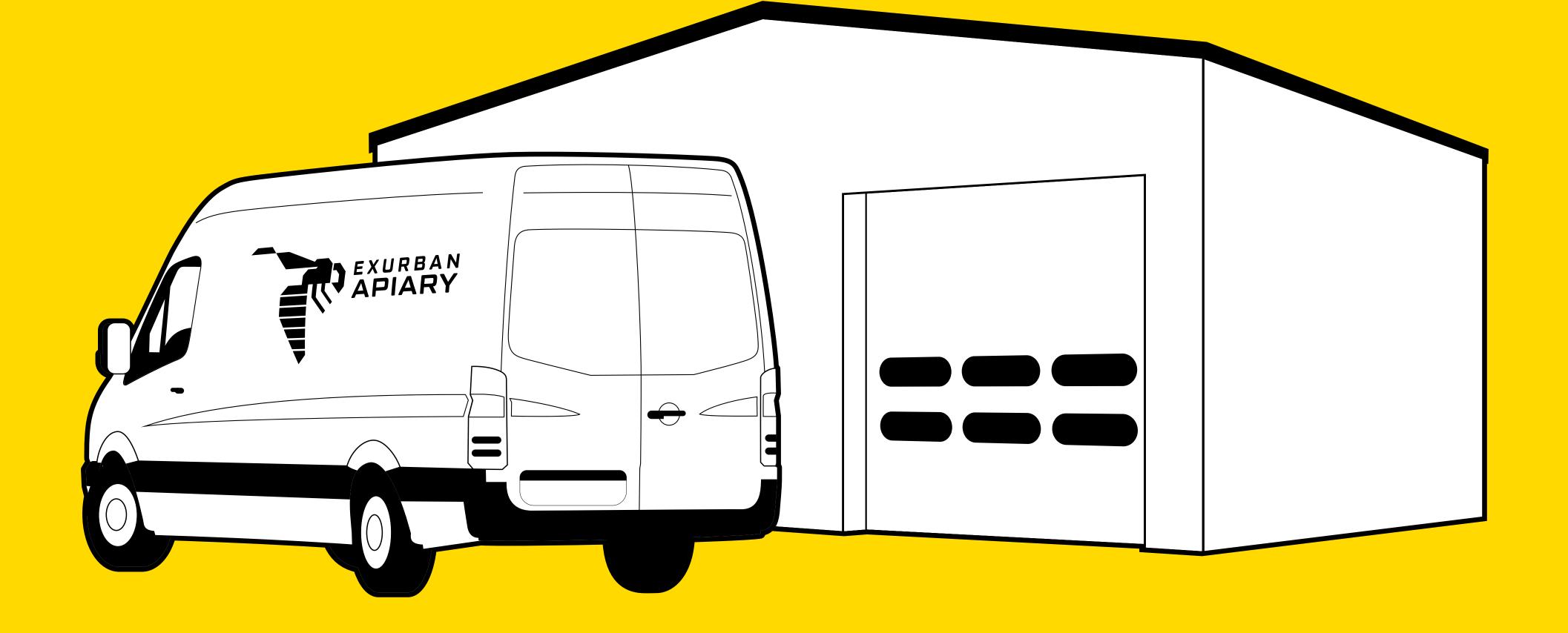


## the bee-side

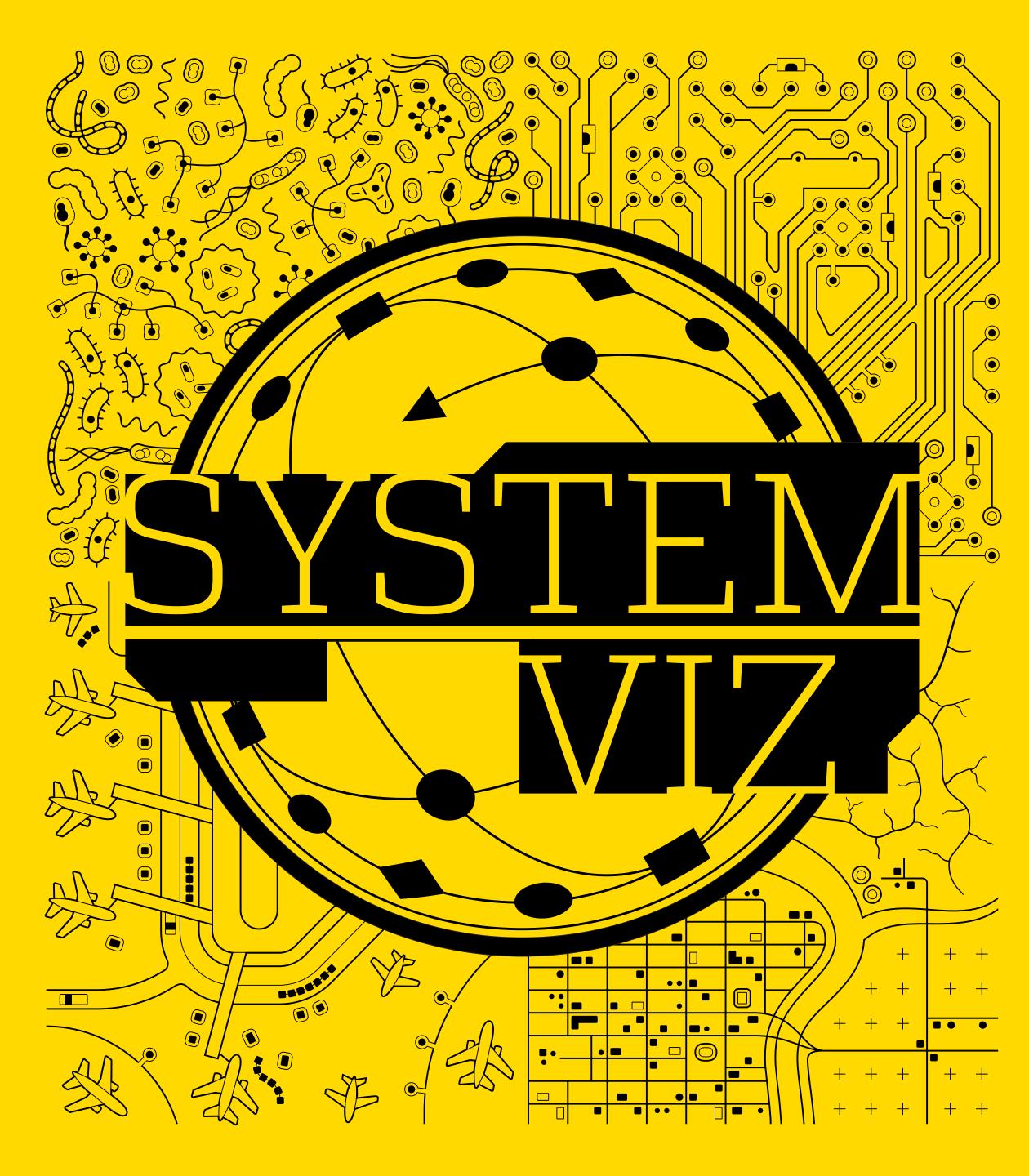
THE FLIP SIDE OF THE PRINTED POSTER WILL SHOW AN EXAMPLE OF THE VISUAL VOCABULARY IN ACTION.

(FORTHCOMING)

# UNDER THREAT OF LARGE-SCALE COLLAPSE.



AN APIARY HARVESTS HONEY FROM BEE COLONIES. IT IS ALSO AN EXAMPLE OF INTEGRATED SYSTEMS





### CONTACT ME AT PETER.STOYKO@ELANICA.COM