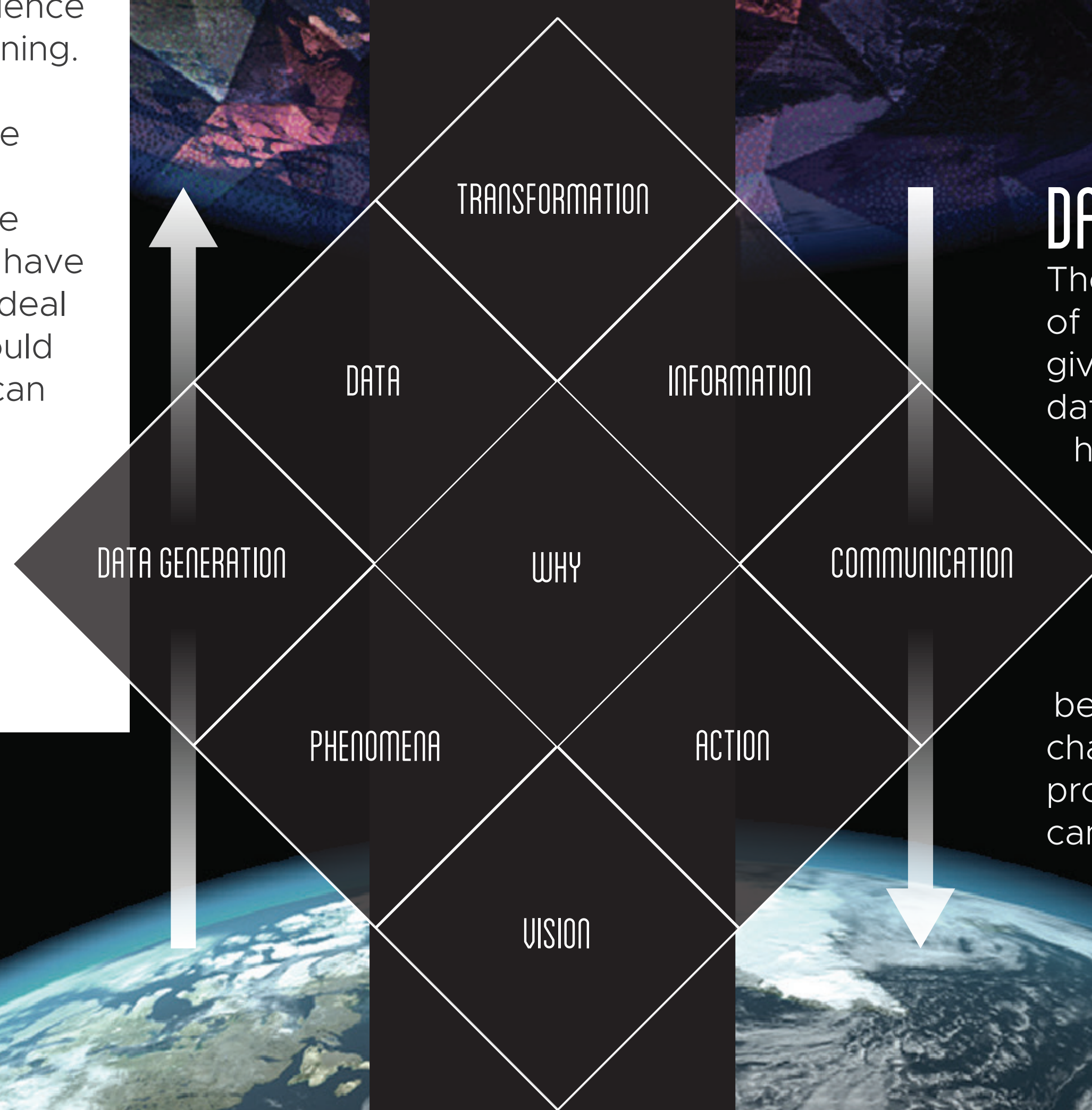# DESIGN WITH DATA

In the emerging field of data science many exciting things are happening. Through the Internet of Things, health trackers and more we are collecting all kinds of data, that allow us to learn more about the world around us than we could have ever imagined. But how do we deal with this as designers? Why would we design with data, and how can we? And what would such a design look like? Those were the questions that I attempted to answer during my master thesis "Design with Data"

DIGITAL WORLD

TRANSFORMATION

DATA

INFORMATION

DATA GENERATION

WHY

COMMUNICATION

PHENOMENA

ACTION

VISION

REAL WORLD

DATA DESIGN FRAMEWORK

The data design framework consists of nine building blocks, together giving an overview of a complete data flow system. This framework helps a designer to keep in mind all of the design elements, both of the digital and the real world, making sure they are well connected. By working from a user focused perspective, while being aware of technical and data challenges early on in the design process, better informed decisions can be made.

DISPLAY AS AN OBJECT

To make a digital vis... and well integrated ... displays might be d... can allow the user to ... information depend...

AUGMENTED AUDIO

Through Augmented Sound we are able to control what we hear in daily life - filter noise but also add sounds. Using data we can give ourselves a super sense, enabling us to hear things we normally can't.

THE DATA DESIGN KIT

The Data Design Kit is a set of tools aimed to get a designer beginning a data design project off with a smooth start. The tools are focused on some of the key moments of the design process: role cards to facilitate team composition, inspiration cards to facilitate ideation and a data design framework to facillitate conceptualization and iteration. The inspiration cards are particularly focused on emerging, multisensory technology that enable designers to better integrate data in the user's context and situation, thereby optimizing the transfer of knowledge.

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Design with Data
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