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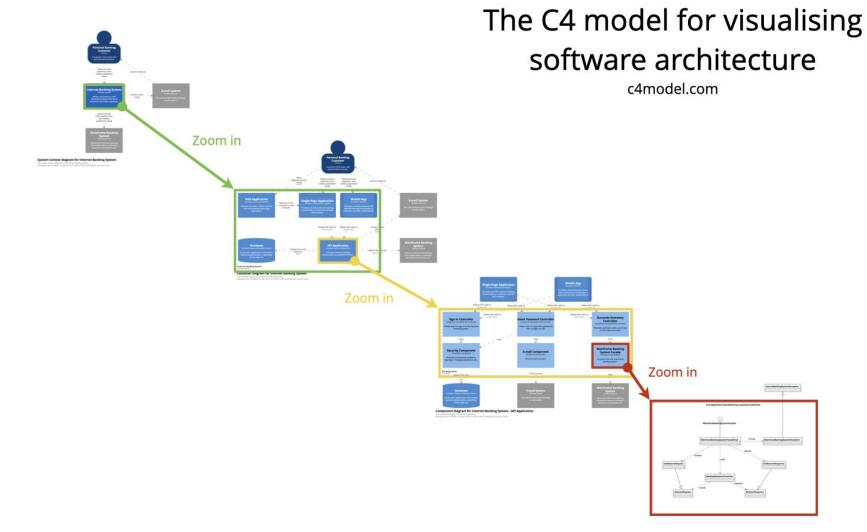
DDD Europe 2022, Amsterdam

#### Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

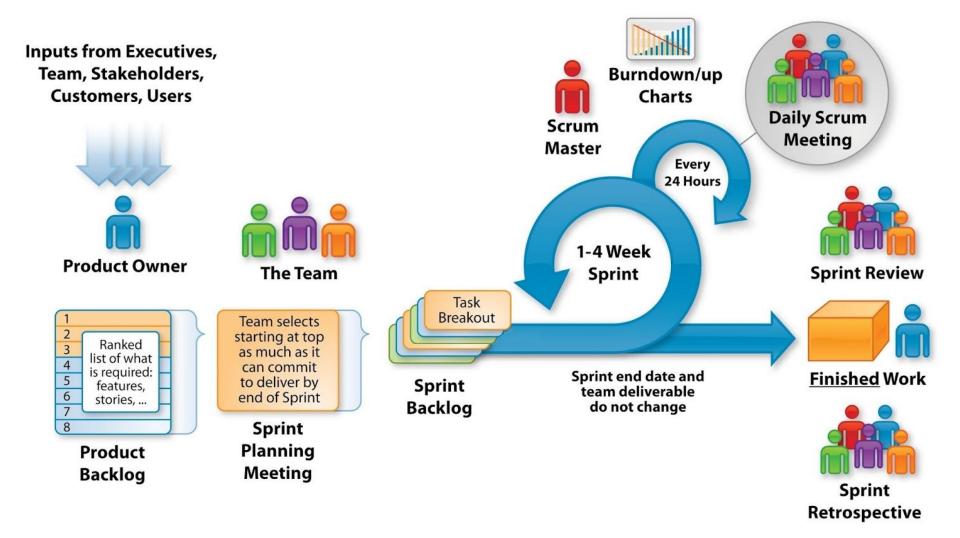


Level 1
Context

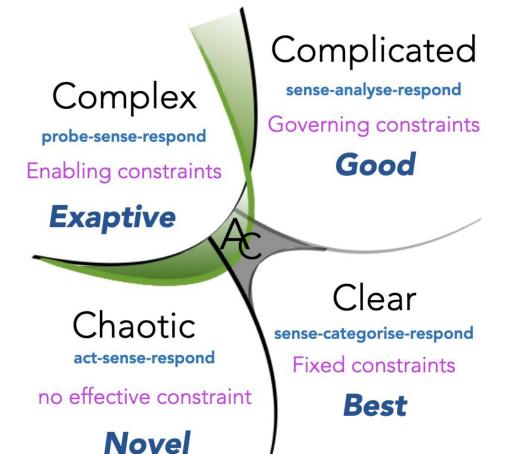
Level 2 Containers Level 3 Components

Level 4 Code

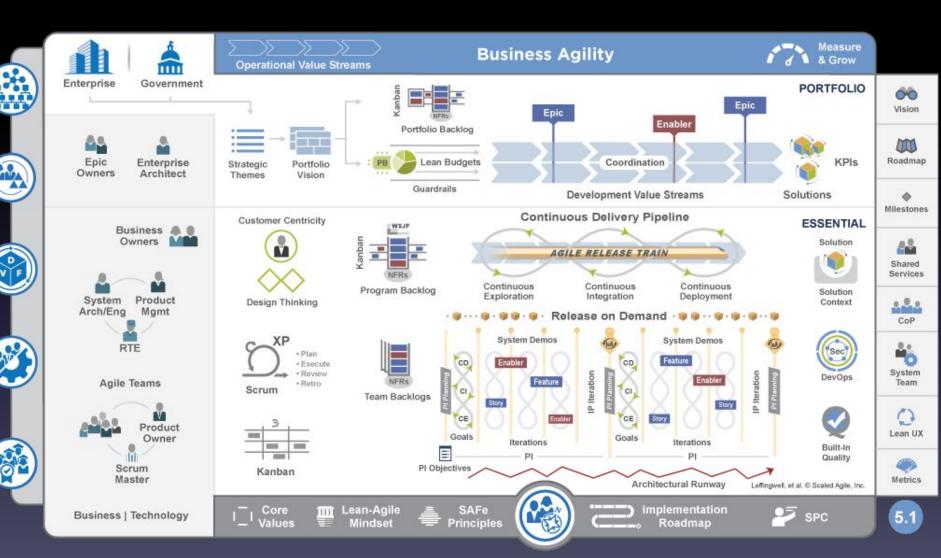
#### The Agile - Scrum Framework



#### Cynefin



#### SAFe®



INDESCRIBABLE...
INDESTRUCTIBLE! NOTHING CAN STOP IT!

#### Elizabeth Kübler-Ross

Author of On Death and Dying

and David Kessler
Co-Author of Life Lessons

# On Grief and Grieving

Finding the Meaning of Grief Through the Five Stages of Loss The Five Stages of Grief

denial anger bargaining depression acceptance

#### Elizabeth Kübler-Ross

Author of On Death and Dying

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On Grief and Grieving

Finding the Meaning of Grief

Through Various

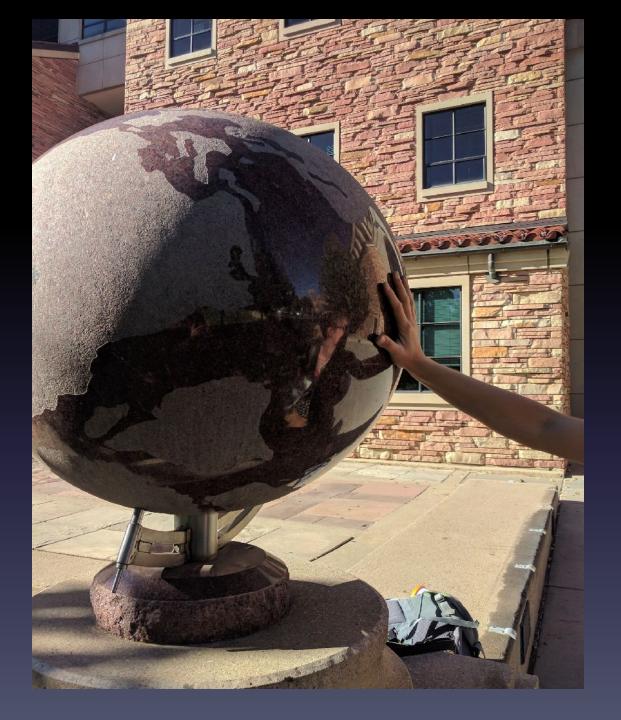
Feelings

# Finding

The SIXTH STAGE of GRIEF

DAVID KESSLER

Conuthor with Elizabeth K4bler-Rass of On Grief and Grieving



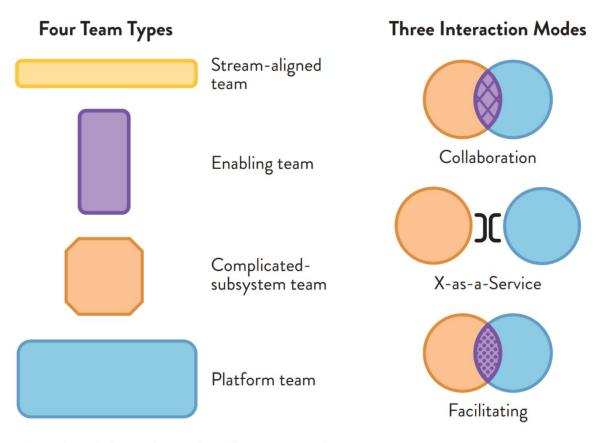
#### Models are Worldviews

### Models frame how you look at your problem.

# Models come with building blocks that tell you how to operate.



### Models tell you what to focus on.



<sup>©</sup> Matthew Skelton and Manuel Pais from *Team Topologies* 

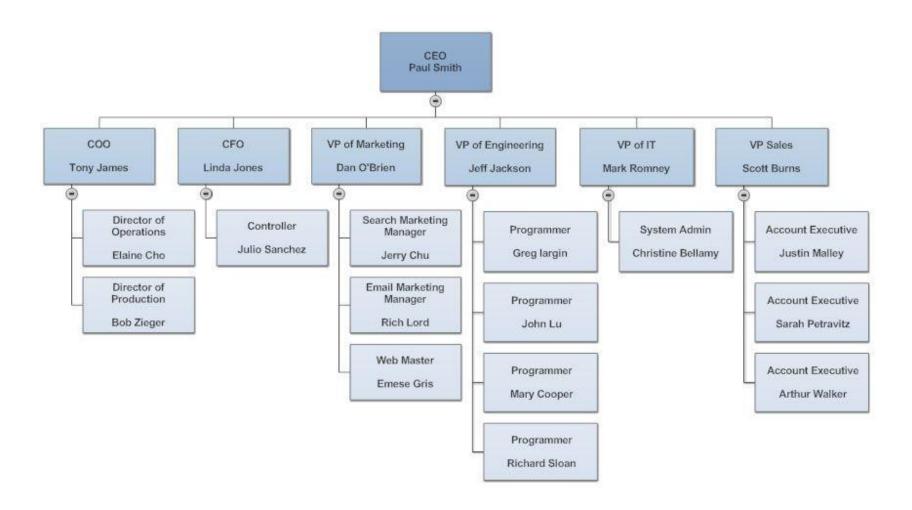
## Models tell you what to focus on.



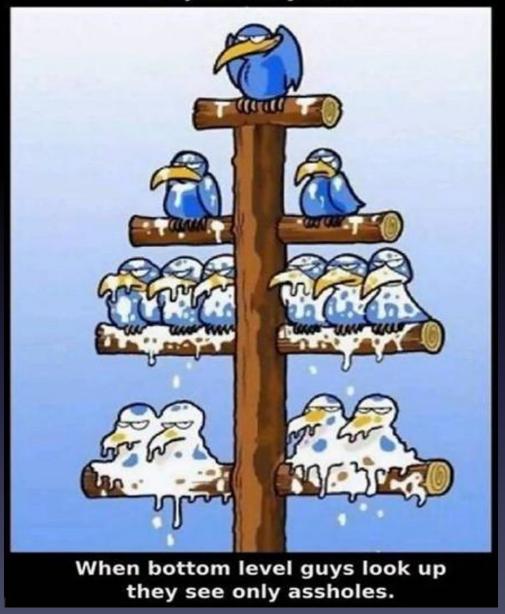
#### A brief look at some

#### ORGANISATIONAL MODELS

#### Hierarchical Model



#### When top level guys look down they see only shit.





#### Social Network

an organisation
consists of
hierarchical control
and a social network

#### Heuristic:

If there's two ways of looking at things, look for a third.



#### Value Creation Network

value is created through effective interactions in the business

### Does this new model simply combine 3 types of networks?

### Does this new model simply combine 3 types of networks?

No

### It alters our beliefs and actions.

## Value is created through the hierarchy

Value is created through a network

## Use conflicting models to understand their framing.

#### Models come with belief systems

#### **Hierarchy:**

Allow only authorities to make decisions.

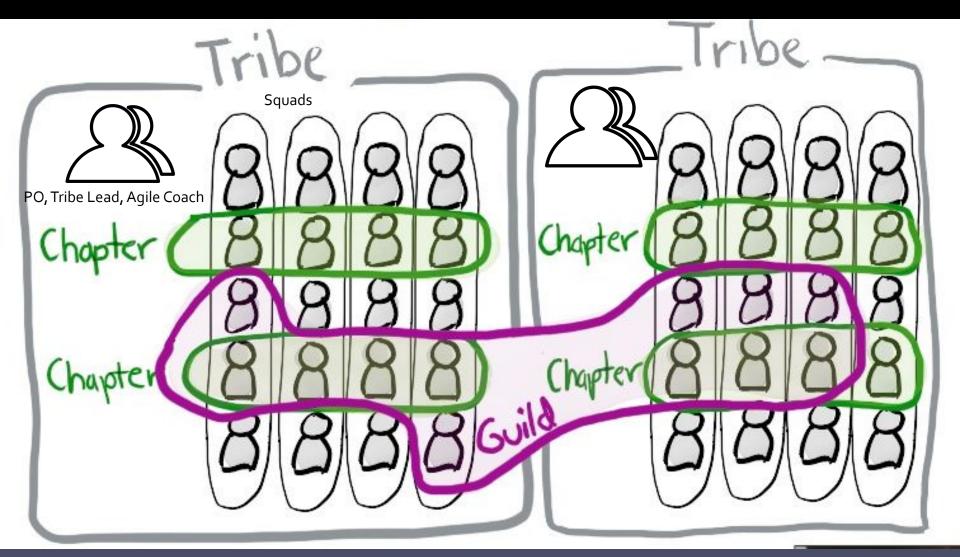
#### **Social Network:**

Encourage informal information sharing.

Value Creation Network:

Collaborate to create value flow.

#### The Spotify\* Model



### One of the Spotify Model's Beliefs

Spotify is

an engineering-centric organisation.

What happens if you copy that to a bank?

#### Another Spotify Model Belief

Learning is important

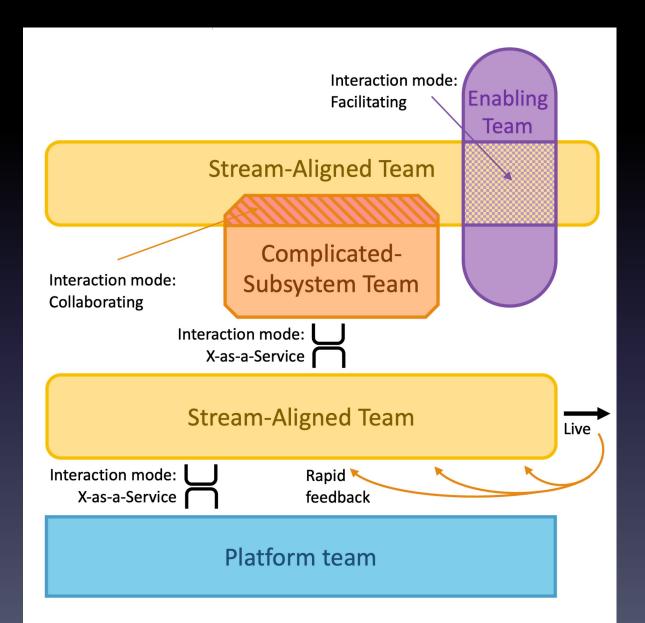
for growing individual skills

and the organisation's capabilities.

#### Team Topologies

Four team types

Three interaction styles



### Some of Team Topologies' Beliefs

Organise teams and interactions

for fast flow and value creation.

Cognitive load on teams

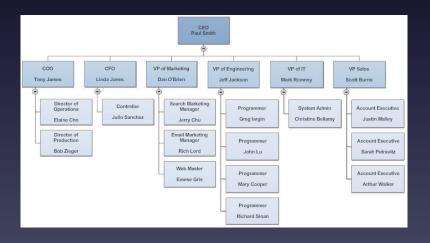
should be minimized.

When you adopt a model created by someone else, you often assimilate it without much thought.

#### Hierarchy Guidelines

±6 levels of hierarchy

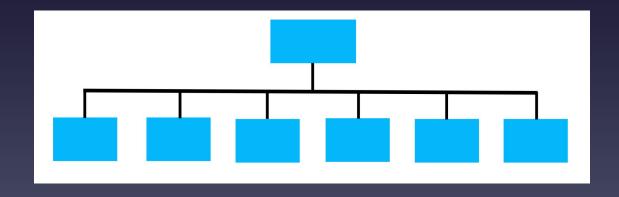
5 to 30 reports per manager



#### Flat Organisation Guidelines

Less than 3 levels of hierarchy

Minimize reporting structure



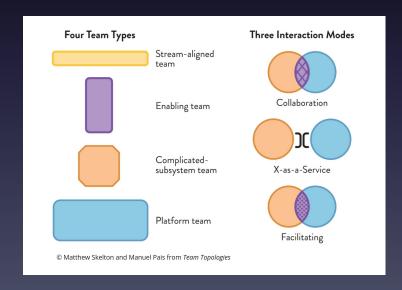
#### Two hierarchies, but different belief systems.

You operationalise them differently.

#### Team Topologies Guidelines

Define interaction styles for each team.

Constrain & control collaborative interactions.



### Do you believe that you are working on the Core Domain?

Different beliefs leads to different outcomes.

#### So what's the problem?

#### Models mess with you.

They impose a distinct perspective, and a set of rules for operating within them.

## Models frame how you look at your problem...

## Models frame how you look at your problem...

...and you're usually not aware of this framing.

## Models distract you from your real problem.

## They can ignore things that are important to you.



#### Heuristic:

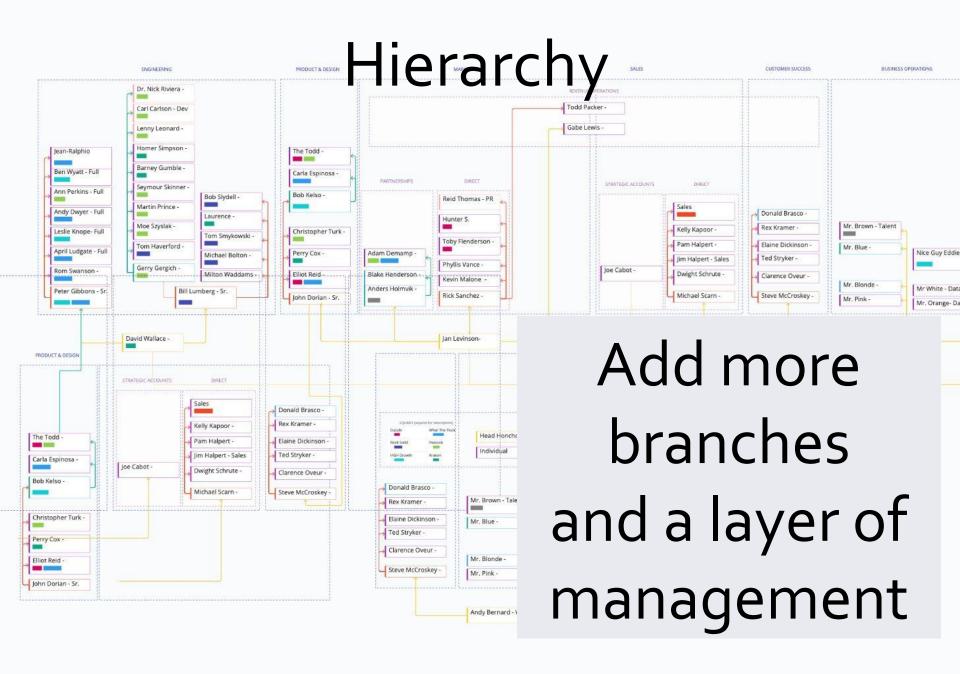
Compare models to figure out what each adds or omits, emphasizes or downplays.

#### Heuristic:

Understand the underlying belief system that comes with the model.

# Heuristic: Does it address or solve problems you are interested in?

## Case study: What happens if a team grows too big?

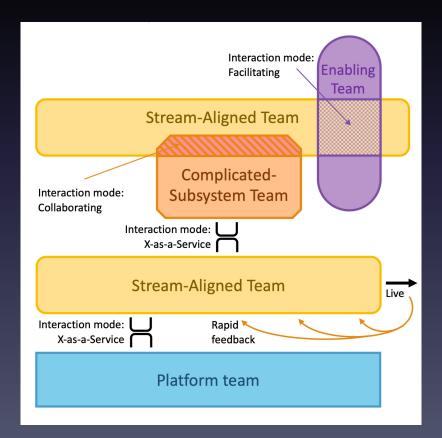


#### Social Network

#### Pass

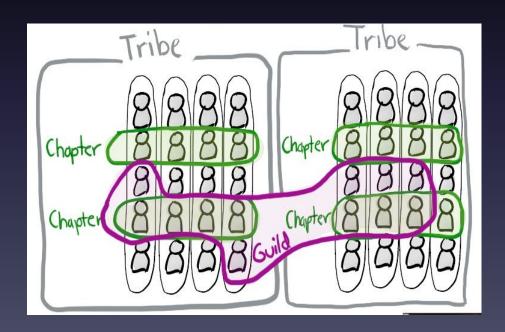


## Team Topologies Depends on the type of team



#### Spotify Model

Coaches and leadership work with teams to make changes



"You wait for seams to appear: clunkiness in communication flow and interaction patterns. (...) Then you nudge things apart. Maybe a subgroup of people has a slightly different rhythm and events. Nothing formal, just nudging things apart. Over time you notice, hey, I'm not interacting with the other people in the team anyway. So you just formalise that [split]. If done correctly, this is mostly an acknowledgment and a non-event."

—Jason Yip, Senior Agile Coach @Spotify

#### A Few More Differences

#### Spotify

Talk about clunkiness,
 friction, long meetings

#### **Team Topologies**

 Talk about reducing cognitive load

#### A Few More Differences

#### Spotify

- Talk about clunkiness,
   friction, long meetings
- Believe interactions should happen organically

#### **Team Topologies**

- Talk about reducing cognitive load
- Believe too much interaction inhibits flow

#### A Few More Differences

#### Spotify

- Talk about clunkiness, friction, long meetings
- Believe interactions should happen organically
- Agile Coach role is an explicit building block

#### **Team Topologies**

- Talk about reducing cognitive load
- Believe too much interaction inhibits flow
- Individual roles not mentioned

#### Value Creation Network

### Are teams even the unit of value creation?



#### We don't care.

We're just here to tell you to compare models before adopting them.

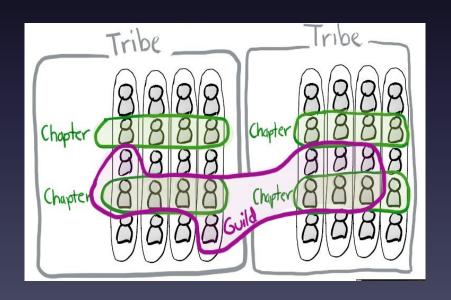
#### Let's do it again.

## How do these models organise for learning?

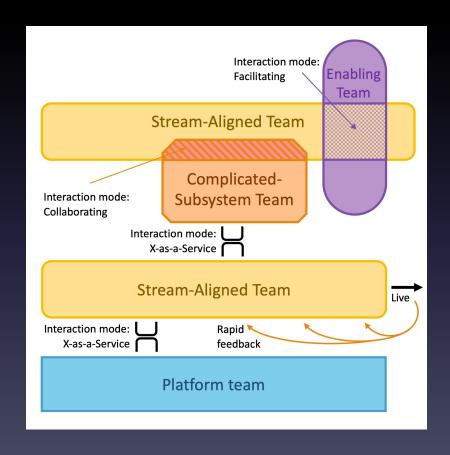
What are the blindspots?

#### Chapters: institutional learning

#### Guilds: individual learning



#### Pass



#### Heuristic:

If you care about something, have a building block for it.

#### Summary

The five steps for engaging with a model:

- 1. Study models intentionally
- 2. Analyse & compare them critically
- 3. Adapt a model to your context
- 4. Gather feedback about the impact
- 5. Reshape it to your needs



Are there other models you can compare this to? Should you adopt it?

We leave this as an exercise



We want you to see that you're bombarded with models all the time.

Your model alert should go off.



...you can choose to look at models more intentionally

#### Coming soon:

"Critically Engaging with Models"

Essay

verraes.net wirfs-brock.com/blog

