Motivation and participation in Data Management

Workshop

Paulien Adamse, RIKILT

1st Data Stewardship @WUR network meeting, November 8, 2018

RIKILT Wageningen University & Research

Food fraud and Composition

Effects of substances on humans and animals
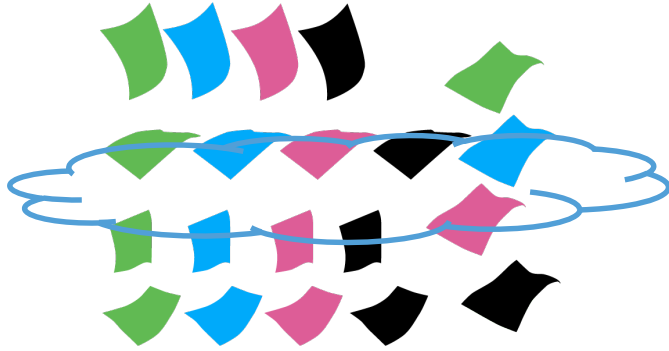

Measuring and detecting substances

Safe food production

Training & Consultancy

WAGENINGEN
UNIVERSITY & RESEARCH

100years
1918 — 2018

We produce and use lots of data and tools

Those tools and data need to be organized to be of use for food safety research
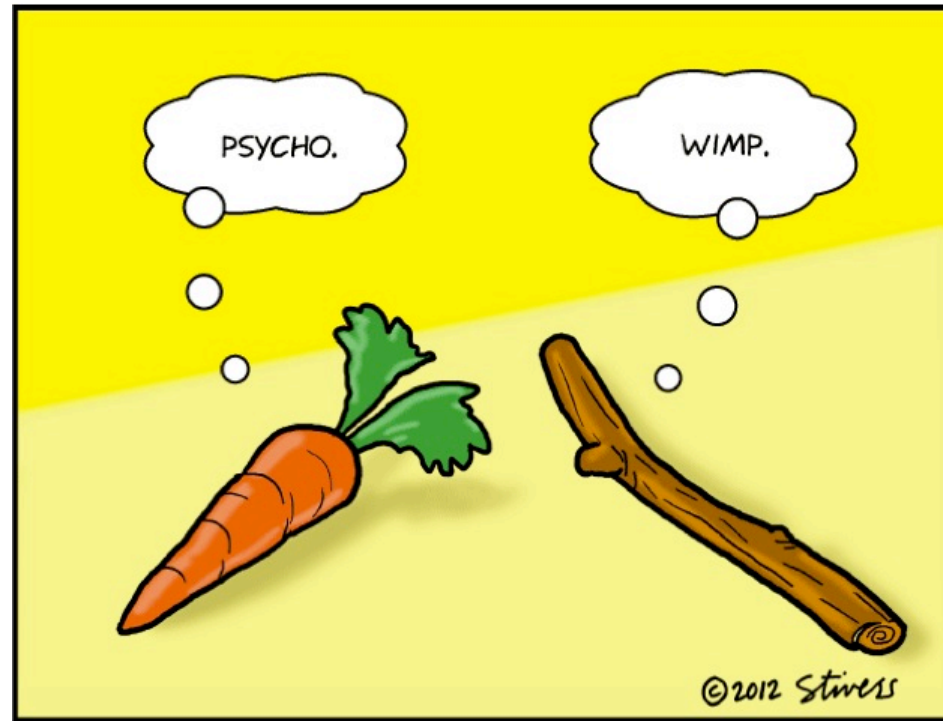
Motivation and participation in Data Management

How

Motivation and participation in Data Management – my first approach
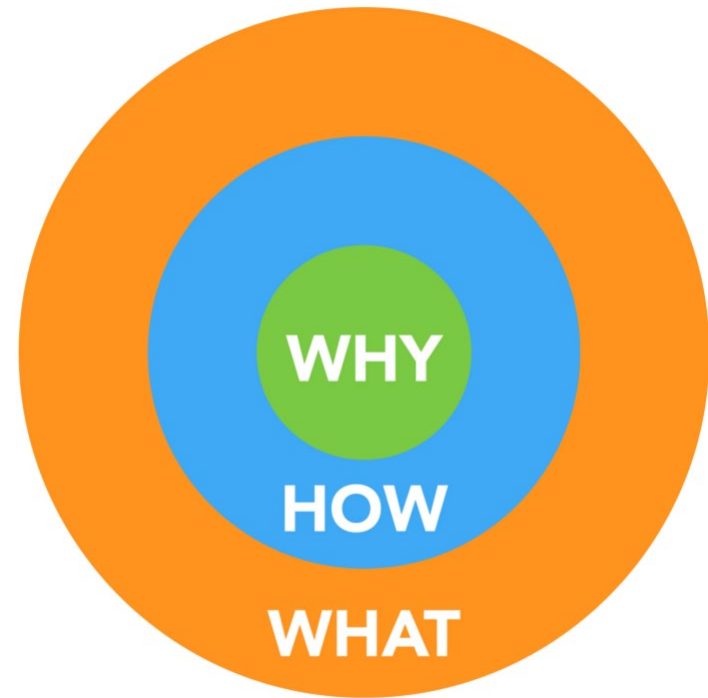
Reward or punish

Motivation and participation in Data Management – new inspiration

Simon Sinek, TED Talk:

"People don't buy WHAT you do,
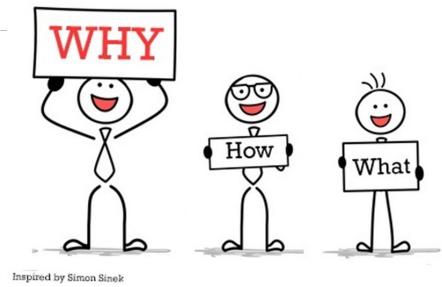
they buy WHY you do it"

Golden circle ->

Inspired by Simon Sinek

Examples of WHY

1. RIKILT -> transparency improves quality

Your examples

2. saves time
3. reuse data, overview in your domain
4. adds to research output of your group
5. transferable datasets
6. required by journal
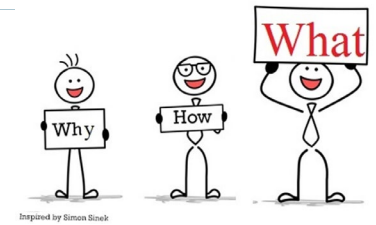7. saves spaces (no doubling of datasets)
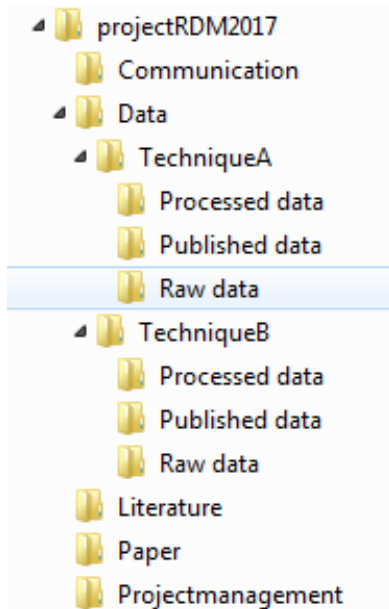
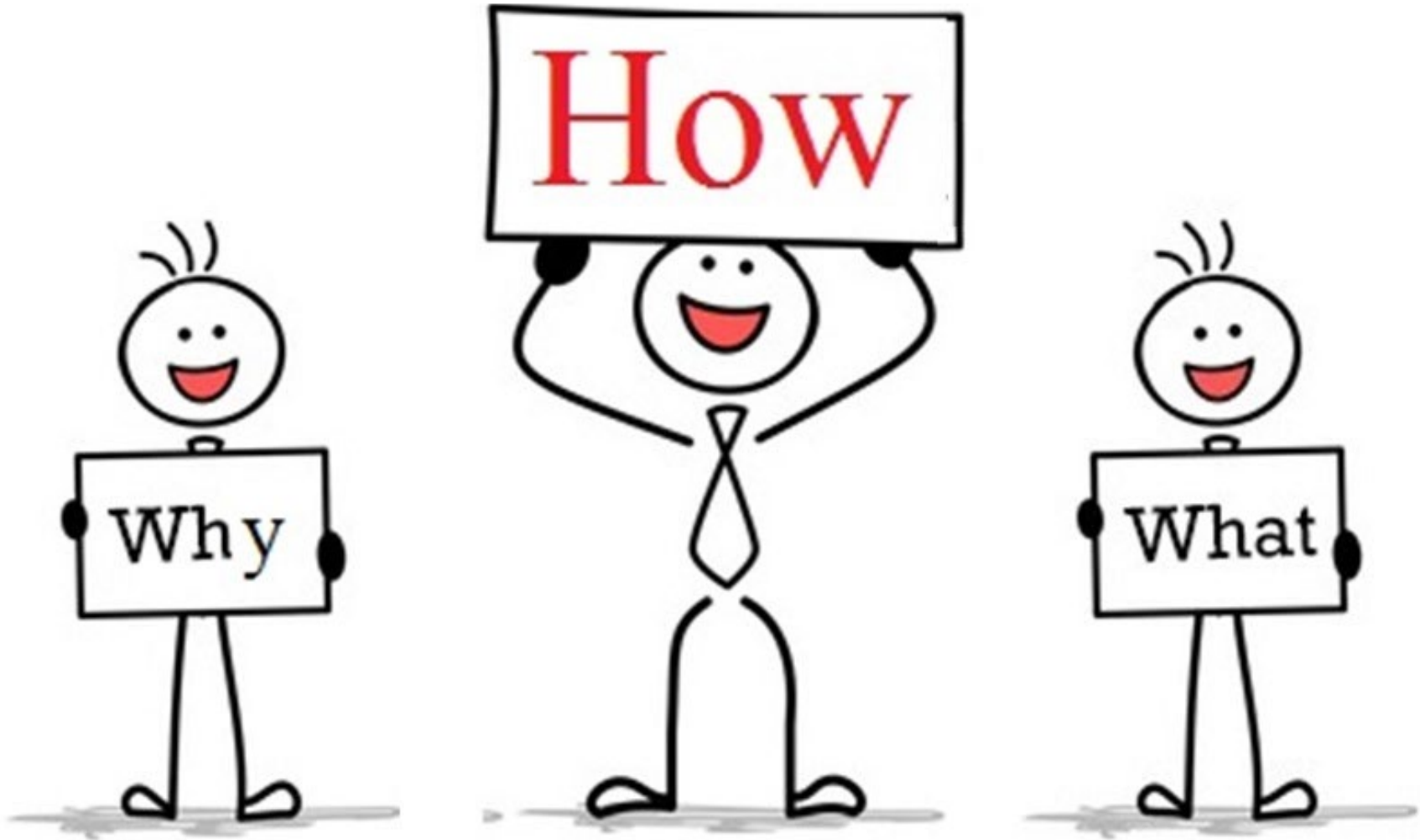Inspired by Simon Sinek

Examples of WHAT

Structured data

Data Management Plan

4. Give an overview of expected type of research data (info), software

- ▲ 📁 projectRDM2017
  - 📁 Communication
  - ▲ 📁 Data
    - ▲ 📁 TechniqueA
      - 📁 Processed data
      - 📁 Published data
      - 📁 Raw data
    - ▲ 📁 TechniqueB
      - 📁 Processed data
      - 📁 Published data
      - 📁 Raw data
  - 📁 Literature
  - 📁 Paper
  - 📁 Projectmanagement

Data stage	Specification of type of research data	Software choice	Data size/ growth
Raw data			
Processed data			
Models/code			
Other?			

Datasets Listed

WAGENINGEN UNIVERSITY & RESEARCH — Datasets

Datasets of Wageningen University & Research staff

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organisational unit

BU Toxicology Bioassays & Novel Foods (12)

BU Toxicology, Novel Foods & Agrochains (12)

RIKILT - BU Toxicology Bioassays & Novel Foods (12)

VLAG (8)

Sub-department of Toxicology (3)

⊞ more...

author

S. Al-Lahham (1)

Sheril Alex (1)

bl-entersearchterm — Search | ?

e.g. economic* AND Smith, apple* OR pear*, "wind energy", cow* NOT sheep

Current refinement(s): organisational unit: BU Toxicology, Novel Foods & Agrochains

Records 1 - 12 / 12 — alert | export | print | help

↳ Check title to add to ✔ marked list

☐ **Application of Bayesian networks for hazard ranking of nanomaterials to support human health risk assessment**
Marvin, H.J.P. ; Bouzembrak, Y. ; Janssen, E.M. ; Zande, M. van der; Murphy, Finbarr ; Sheehan, Barry ; Mullins, Martin ; Bouwmeester, H. - \ 2017
Bayesian networks - metal nanomaterials - scenario studies - risk assessment - expert elicitation

🔍 more info ...

OPEN ACCESS

⊞ show abstract

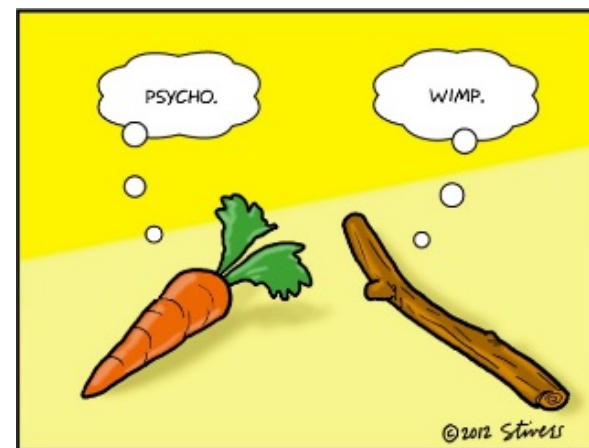Inspired by Simon Sinek

Examples of HOW

Inspired by Simon Sinek

1. RIKILT -> website with guidelines for data management
2. Data Stewards
3. Structure
4. Tools

Your examples

1. appointing data stewards
2. get consensus in group
3. awareness at management team level
4. start with a few people
5. help researchers
6. involve data stewards

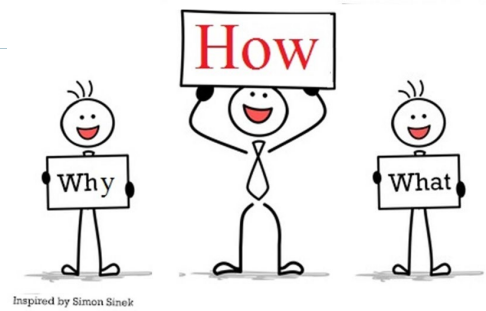# Carrot or stick, my role as a Data Steward in Research Data Management
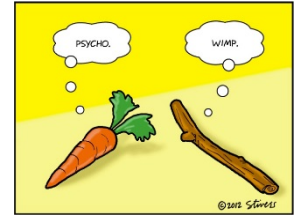
From a previous meeting: Creative ideas for Data Stewards to ensure that everyone participates in RDM:

1. Donut model: competition, introduced with very inspiring TEDx-like talk; collecting points for RDM; when "donut" is full -> reward (treat, ..., membership KNAW, ..., Nobel prize)

2. Taking care of researcher: sit down with researcher, ask for all their needs, assist them with RDM but also other issues

3. Paplepel model: already in the first year of their study (or already at school?) confront students with RDM and have them use it.

4. Play Euromillions with grant money: grant providers organize a lottery amongst good RDM researchers

5. Robot guide model: build a "robot" that can take care of many of the RDM tasks during research -> Use portals/dashboards for DMP template with support service. Infrastructure that enables automatic RDM.

Other ideas?

Inspired by Simon Sinek

1. *(we did not have time to collect ideas during the workshop)*
2.
3.
4.
5.
6.

Your carrots and sticks

PSYCHO. WIMP. ©2012 Stivers

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100years 1918 — 2018
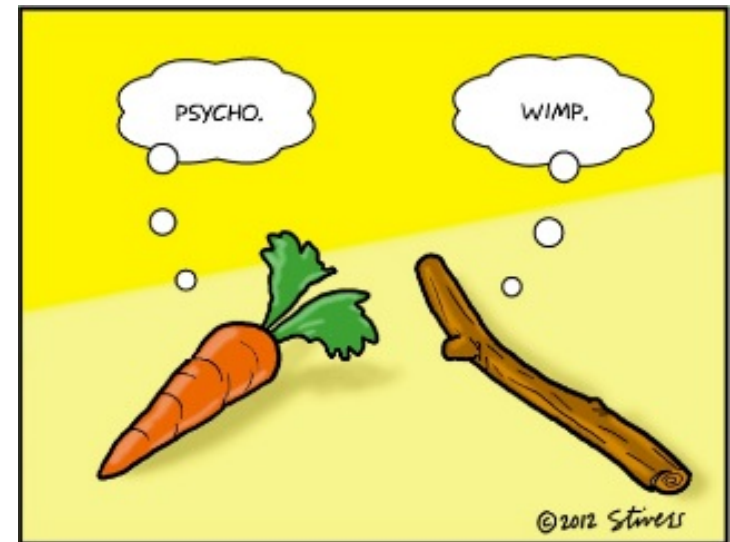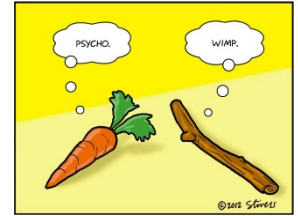
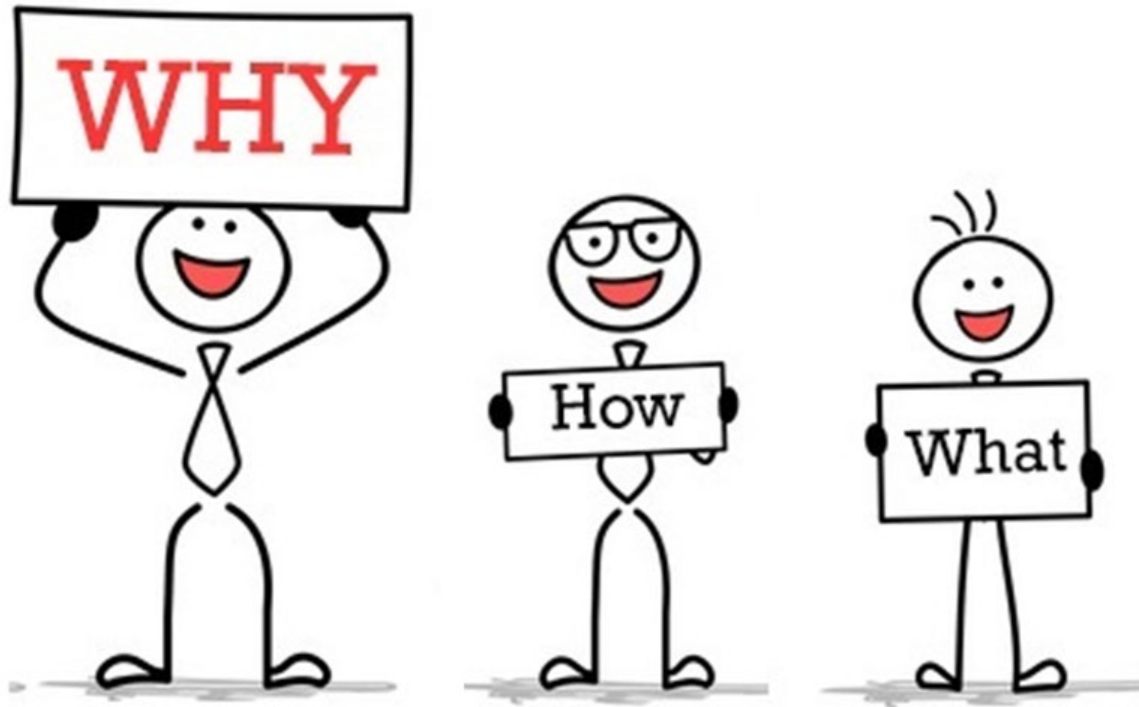# Carrot or stick, my role as a Data Steward in Research Data Management

Creative ideas for Data Stewards to ensure that everyone participates in RDM -> the winners!

1 - Taking care of researcher

1 - Paplepel model

3 - Donut model

4 - Play Euromillions with grant money

5 - Robot guide model

Take home message? RDM is not just about protocols and systems but also ways to inspire and reward researchers to implement RDM.

Thank you for your ideas!

Inspired by Simon Sinek