CP5806:
WEEK 1 COLLABORATIVE TUTORIAL SESSION

Presented by Sisi

JAMES COOK UNIVERSITY
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SUBJECT OVERVIEW & KEY DATES

➤ Contact details: **sisi.liu1@jcu.edu.au**

➤ Textbooks and reading materials can be accessed through **Subject Content —> Reading Resources —> Readings**

➤ * Extra material: a movie clip in Lynda to understand DBMS systems, and answer the question. (https://www.lynda.com/IT-Infrastructure-tutorials/Database-management-systems/674595/751284-4.html).

➤ Updated link:

Terra, J. C. and Angeloni, T. (2003). Understanding the difference between Information Management and Knowledge Management, IAMOT conference, Nancy, France.

http://www.providersedge.com/docs/km_articles/understanding_the_difference_between_im_and_km.pdf

SUBJECT OVERVIEW & KEY DATES(CONS)

➤ Assessments:

- Assessment 1 25%: due **Sunday of week 3 26/07** 11:59pm (AEST)

- Assessment 2 40%: due **Sunday of week 5 9/08** 11:59pm (AEST)

- Assessment 3 35%: due **Wednesday of week 7 19/08** 11:59pm (AEST)

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COLLABORATIVE TUTORIAL SESSIONS

➤ General:

  ➤ **Thursday night from 7:00 pm — 8:00 pm (AEST) starting from Week 1 9/07/2020.**

➤ Extra:

  ➤ **Week 3 Saturday 25/07/2020 2:30 pm — 3:30 pm (AEST)**: Assessment 2 concepts review session (review concepts relevant to assessment 2, such as keys, attributes, dimensional modelling, ER modelling etc. with examples)

  ➤ **Week 4 Saturday 1/08/2020 2:30 pm — 3:30 pm (AEST)**: Assessment 2 help session (go through each step for assessment 2 with a sample case)

  ➤ **Week 6 Saturday 15/08/2020 2:30 pm — 3:30 pm (AEST)**: Assessment 3 help session (go through each step for assessment 3 with a sample case)

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WEEK 1 TO-DO LIST

➤ Go through week 1 subject materials and readings

➤ Exchange ideas on topics listed in each discussion forum in Week 1 content folder

➤ Check specifications for Assessment 1 (**due week 3 Sunday 26/07, 11:59 pm**)

WEEK 1 CHECK LIST

➤ Week 1: General discussion board

➤ General subject enquiry board

➤ Assignment related enquiry board

ASSESSMENT 1 PREVIEW

➤ Specifications:

- weight: 25%

- Due: Week 3 Sunday, 26/07 11:59 pm (AEST)

- **1500** words limitation, **less than 5** pages and in **12pt** Arial

- APA 6th referencing style

➤ Five tasks:

- Task 1: dependency

- Task 2: two questions: percentage; more information than data or more knowledge than information

- Task 3: 3-5 criticism and drawbacks (including your own opinion)

- Task 4: mapping 5 systems to the hierarchy

- Task 5: wisdom can be generated or not?

➤ Q&A

DIKW DIAGRAM

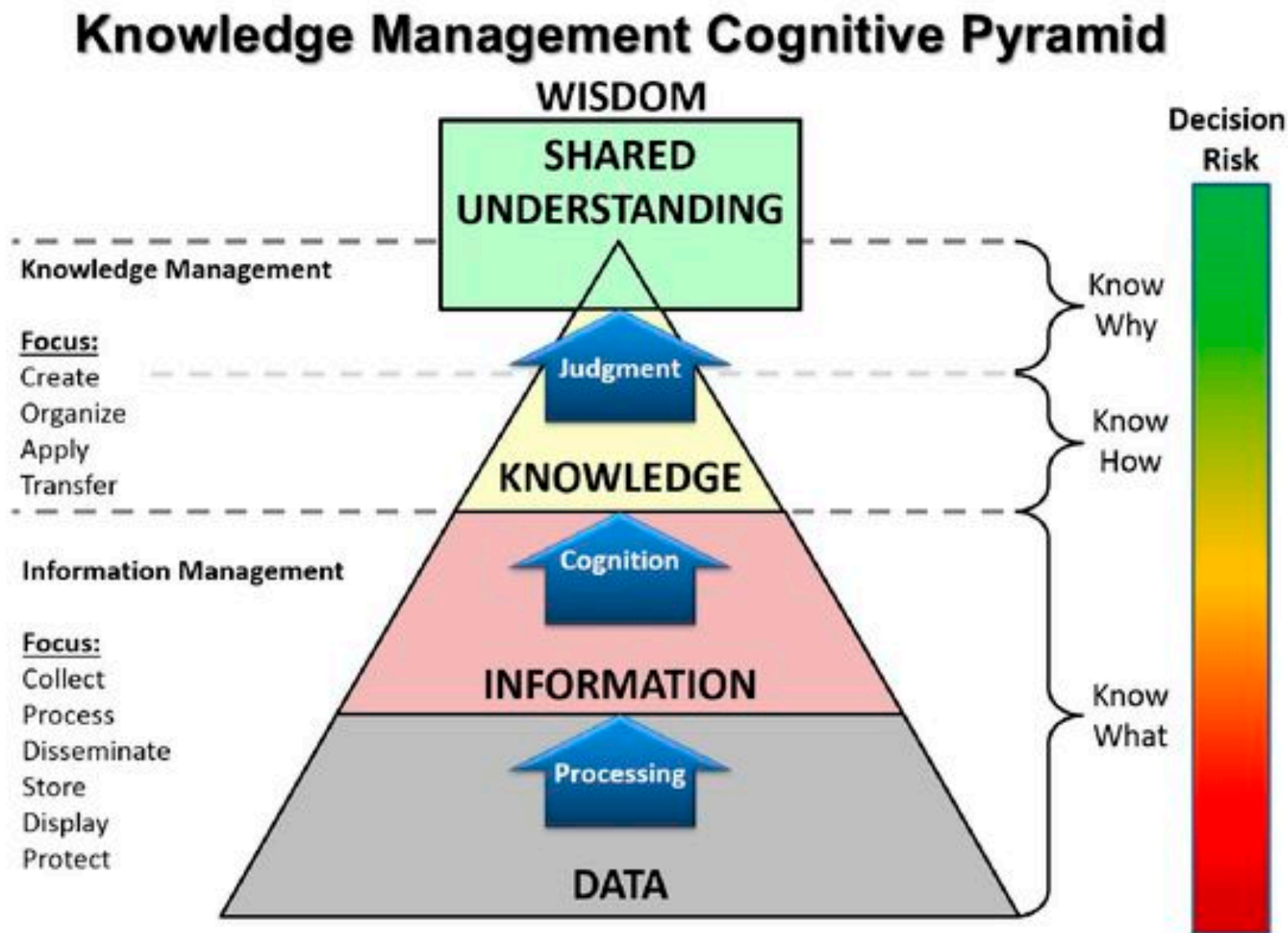# DIKW DIAGRAM(CONS)

Knowledge Management Cognitive Pyramid
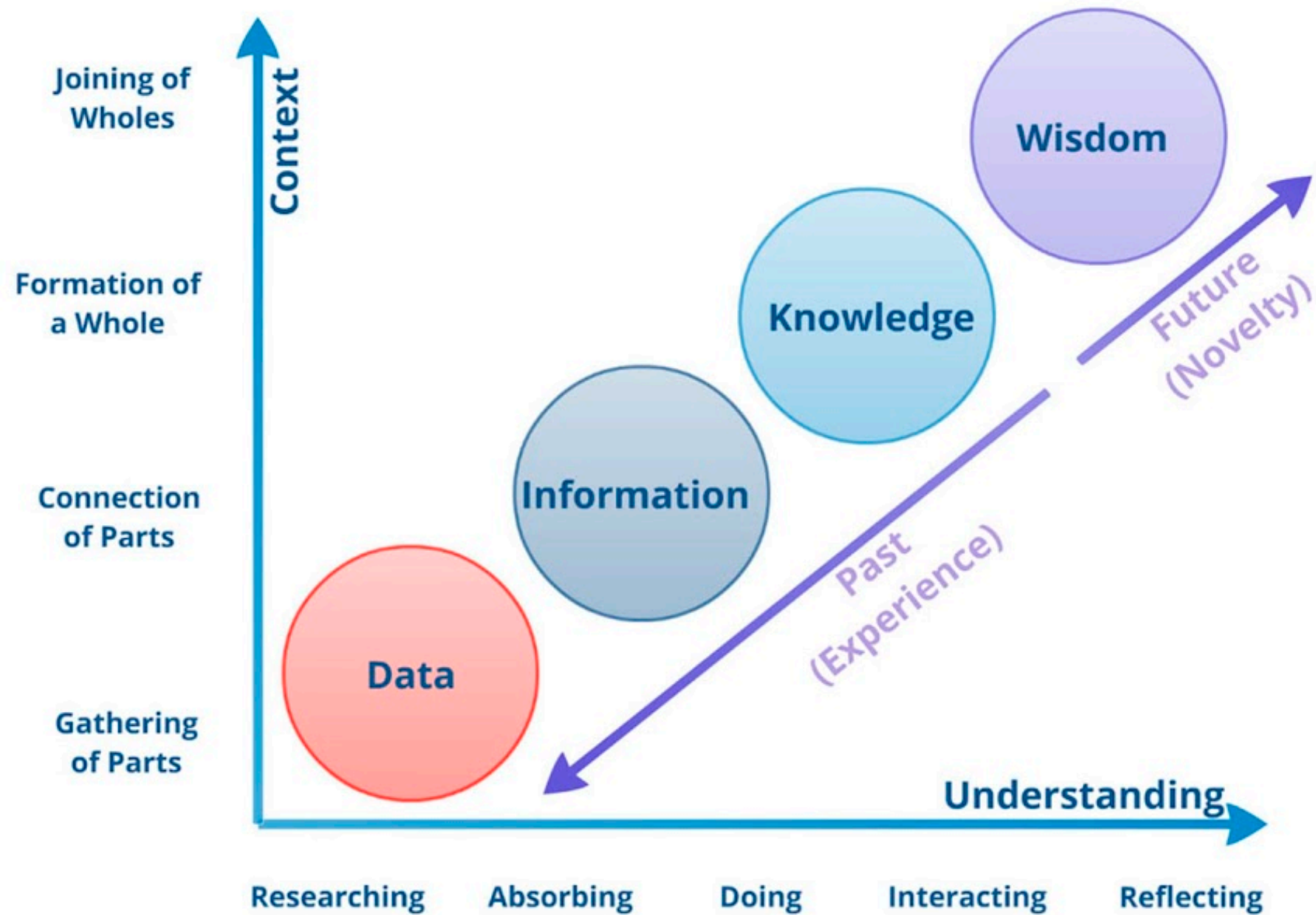
Image courtesy of Wikimedia Commons: KM Pyramid Adaptation, DIKW adaptation in use within the US Army KM community of practice

DIKW DIAGRAM(CONS)

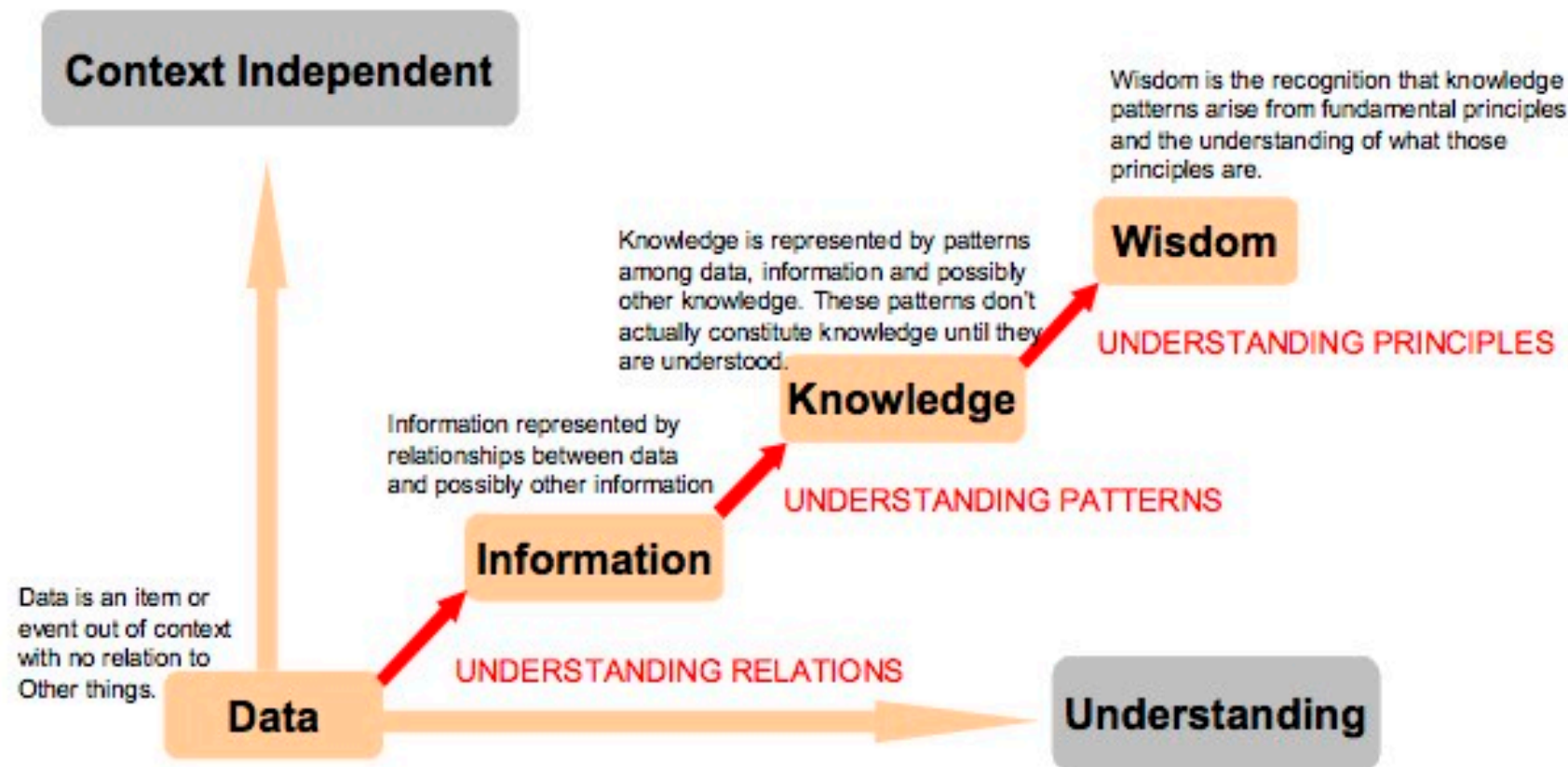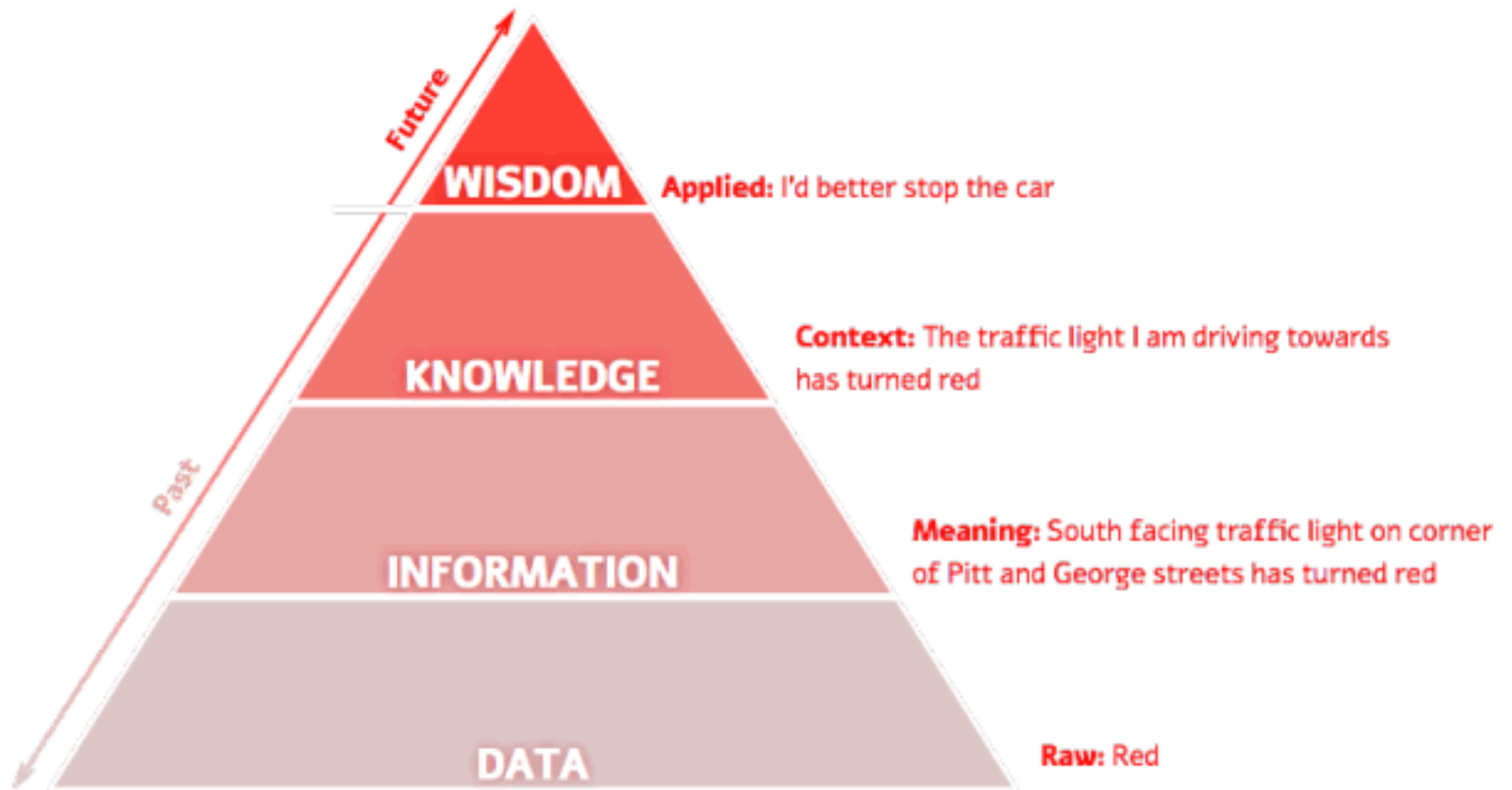**Context Independent**

Wisdom is the recognition that knowledge patterns arise from fundamental principles and the understanding of what those principles are.

Wisdom

UNDERSTANDING PRINCIPLES

Knowledge is represented by patterns among data, information and possibly other knowledge. These patterns don't actually constitute knowledge until they are understood.

Knowledge

UNDERSTANDING PATTERNS

Information represented by relationships between data and possibly other information

Information

Data is an item or event out of context with no relation to Other things.

Data

UNDERSTANDING RELATIONS

Understanding

Figure 1 Clarifying data, information, knowledge, and wisdom

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TOPIC 1: DATA AND INFORMATION(CONS)

Reference: https://www.i-scoop.eu/big-data-action-value-context/dikw-model/
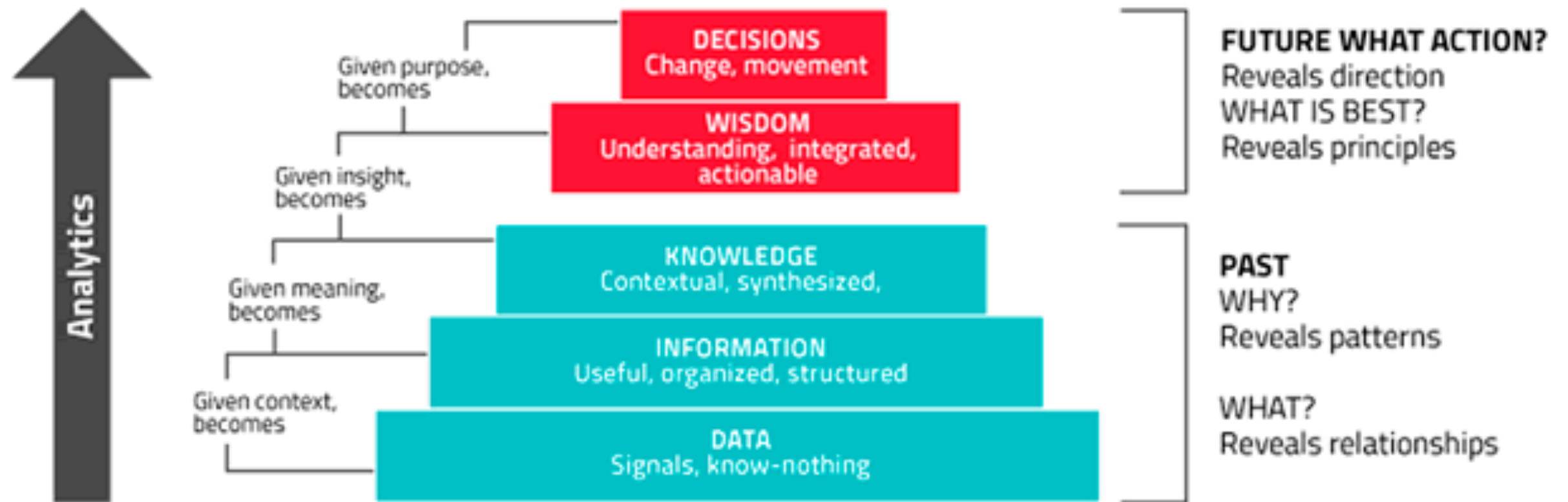
DIKW through the eyes of IoT company AGT as mentioned on Electronics 360 – a focus on decisions and actions

Reference: https://www.i-scoop.eu/big-data-action-value-context/dikw-model/