Short presentation of myself...

So after this session you, will hopefully understand the structure of this chapter and what's in it.

You will also know some more arguments to highlight relevant considerations for making data openly available.

This while still meeting the needs of data protection (in accordance with legislative and ethical requirements).

You will also understand why the DMP template looks like it does and what to do with it.
First a few questions:

How many of you...

» Have read chapter one of the Data Management Expert Guide?
» Have read other chapters than chapter 1?
» Have not read any part of the expert tour?
» Have looked at the DMP template?
» Have produced a DMP?

How many of you... (raise your hand), this is for me to know where to start 😊
Agreement.

For this session we have to agree on a few concepts!
To understand the benefits of data management, I first want to define what... the concept of Data Management implies:

...it is about how to handle, organize, structure and store research data throughout the research process.

...it also takes into account technical, organizational, structural, legislative and sustainability aspects. This will help the researchers to keep the data collected and/or used within their project tidy, useable and safe, while at the same time ensuring their longevity.

...that there is a clear structure of how data is going to be managed during the research project, which will make it easier to handle the data that are collected during the project but also to avoid time-consuming work afterwards.

...might involve some additional work, but that extra time will pay off if one would have to go back to verify analysis and results.

In order to simplify the work on data management, a data management plan (DMP) can be created early in the research process! So what is a DMP?
A DMP is a **formal document that provides a framework for how to handle the data material during and after the research project.**

The **content of a data management plan is designed in accordance with the specific research project.**

I would suggest that, and it’s also my experience after talking to several researchers, looking into a checklist like the one we present here at an early stage has several benefits...
Here everyone takes up their DMP-template, and the discussion about its content starts.
Adapt your Data Management Plan
A list of Data Management Questions based on the Expert Tour Guide on Data Management

Title of the project/study
Date of this plan
Description of the project
What is the value of the project?
What is the impact expected?

Series of Data
A list of all the data types that fall into this category. How are these data accessed, used and governed? How are these data transferred? Are they linked to other source data?

Principal researchers
Who are the main researchers involved?

Collaborating researchers (if applicable)
Who are the other teams/individuals involved?

Number of applications
How many applications are involved?

Funding
What is the source of funding?

Data access and usage
Who has access to the data?

Data management
Who is responsible for updating the DMP and ensuring that it is followed?

Data protection
What types of data protection will specific roles?

Data sharing
What types of data sharing will involve?

Data management
Who has access to the data?

Data access
What types of data access will be involved?

Data sharing
What types of data sharing will be involved?

Data protection
What types of data protection will be involved?

Data management
Who is responsible for updating the DMP and ensuring that it is followed?

Data sharing
What types of data sharing will be involved?

Data protection
What types of data protection will be involved?

Data management
Who is responsible for updating the DMP and ensuring that it is followed?

Data sharing
What types of data sharing will be involved?

Data protection
What types of data protection will be involved?

Data management
Who is responsible for updating the DMP and ensuring that it is followed?

Data sharing
What types of data sharing will be involved?

Data protection
What types of data protection will be involved?

Data management
Who is responsible for updating the DMP and ensuring that it is followed?

Data sharing
What types of data sharing will be involved?

Data protection
What types of data protection will be involved?

Data management
Who is responsible for updating the DMP and ensuring that it is followed?
Discussion

...about the content of the DMP-checklist.
- Why write a DMP?
- Added Value?

At the end of discussion, summarize! Change to next slide when doing that.
Why create a data management plan?

Having control over how data is managed during the research process, it becomes **easier for others to understand the material**.

...it **enables further research after the research project has ended**.

...data should also be openly available so that **research results can be verified**.

...data produced by public funds should be used to the greatest extent possible and available to the public.
Suggestions on Added Value?

- Discover possible problems at an early stage
- All information in one place
- Calculating cost for data management
- Allows early preparations
- Serious data management

It makes you aware of **possible problems at an early stage** so that you can work around them.

It keeps all your questions surrounding managing in one place and project-related details are readily available rather than just vaguely remembered or simply forgotten.

It helps you **calculating how much money that will be required for managing the research data** during the research project.

A DMP allows you to **think through beforehand** how to provide a dataset to a data repository which is as **FAIR** as possible.

**You are showing your own institution, funders and project partners that you take managing your research data seriously.**

You are willing to show that you are dealing with research funds and research participants in a responsible way.