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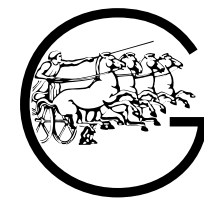
# TRAINING DATA STEWARDS

FOR LIFE SCIENCES

Ready for BioData Management?

# Data stewardship for life sciences - Researcher

## Collaborations:



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# Data stewardship for life sciences - Researcher

## Confirmed Instructors:

Ana Portugal Melo, André Vieira, Celia van Gelder, Daniel Faria, Daniel Vasconcelos, Eloy Rodrigues, Filipa Pereira, Fotis Psomopoulos, Gonçalo Antunes, João Cardoso, Jorge Oliveira, Mário David, Mijke Jetten, Oscar Dias, Pedro Príncipe, Ricardo Leite, Rita Silva, Susana Magalhães, Tiago Carneiro, Tiago Paixão, Vasco Dias

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# Data stewardship for life sciences - Researcher

The ideal trainee:

- has a PhD in Life Sciences
- has a permanent position, ideally with an interest in data
- is committed to take the whole training program
- after this program, will be involved in the support to the data management, FAIR data and open science policies in her/his organizations.

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By the end of this program you will be able to make significant contribution in:

- Writing data management plans in support to grant applications
- Ensuring continuity and sharing of data over projects
- Ensuring data quality
- Supporting the elaboration of institutional data management guidelines
- Supporting compliance with institution data management policy
- Contributing to knowledge exchange with regard to data management

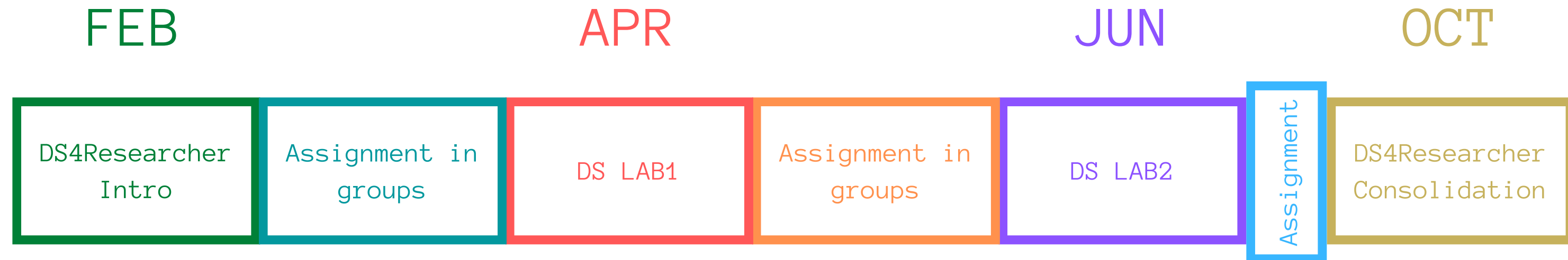
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HOST: BIODATA.PT | ELIXIR PORTUGAL

ORGANIZER: ANA PORTUGAL MELO

SPONSORS: ELIXIR, ELIXIR-CONVERGE

ADVISERS: ELIXIR NETHERLANDS – CELIA VAN GELDER, MIJKE JETTEN,

SCIENTIFIC COMMISSION:

DANIEL FARIA (CHAIR), CÁTIA PESQUITA, CELIA VAN GELDER, CRISTINA RIBEIRO, CYMON COX, FILIPA PEREIRA, MIJKE JETTEN, PEDRO PRÍNCIPE

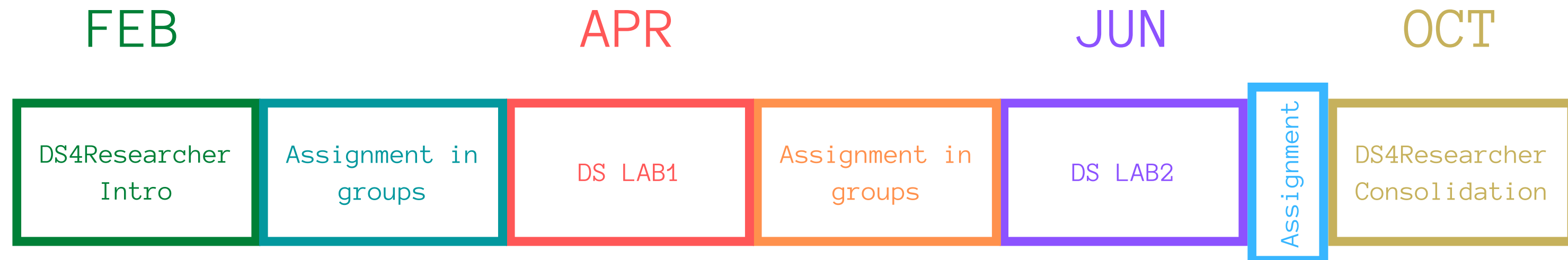
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## Important dates

- Intro course\*: 21 and 22 Feb and 7 and 8 Mar
- DS Lab1\*: 11/4
- DS Lab2\*: 20/6
- Consolidation course#: 3 days in October (date to be announced)

\* On-line, from 9h30–16h00 GMT

# Face to Face (if the COVID-19 pandemic allows)

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## Day 1 - 9h30-16h (21/02/2022)

Welcome and introduction to ELIXIR PT DS Program

Data Stewardship skills and competences

The landscape of FAIR and Open Science in Portugal and Beyond

Policies on management and sharing of data - Funders requirements

FAIR data stewardship landscape

(Reviewing) data management plans

(Reviewing) data management plans

Wrap-up

## Day 2 - 9h30-16h (22/02/2022)

Introduction

FAIR data

Archiving, sharing and publishing data

Organising, versioning and documenting data

Metadata & ontologies

Wrap-up

## Day 3 - 9h30-16h00 (07/03/2022)

Introduction

Infrastructure for storage and backup

Data discovery and capturing data

Preregistration

Tools for processing and analysing data

Informed consent procedures

Managing sensitive data

Landscape overview of data stewardship in the Netherlands

Community building among data stewards: The Dutch experience

Licensing & legal issues for sensitive data

Wrap-up

## Day 4 - 9h30-16h00 (08/03/2022)

Introduction

Data and software carpentry

Data and software carpentry

Data and software carpentry

Sensitive data, data security and privacy, data rights

Wrap-up

Launch assignment and closing

Based on Helis Academy [https://www.aanmelder.nl/fair-data-stewardship-2021/part\\_program](https://www.aanmelder.nl/fair-data-stewardship-2021/part_program)



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# Data stewardship for life sciences - Researcher

Assignment in  
groups 1

1. Create a draft of your institutional data management policy and data management plan
2. Apply FAIR self-assessment tools
3. Make SWOT analysis
4. Propose solutions

Groups of 2 trainees. Steps 1 and 2 to be carried out individually about own institution; then swap with colleague to carry out 3 and 4. Resume in a collective discussion producing a 5-minute presentation about 3 and 4.

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APR  
DS LAB1

- Sharing point
- Institutional data management policy
- Institutional Data Management Plan
- Electronic note book implementation
- Needs and ambitions

11/4

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APR  
DS LAB1

## DS Lab 1

[Assignment 1](#)

Filipa Pereira

FCT | FCCN

[Showcase: Best practices on data management at IGC](#)

Tiago Paixão

[BioData.pt | IGC](#)

[Pitch on main difficulties when filling a DMP](#)

Trainees

[Feedback based on difficulties and SWOT analysis](#)

Filipa Pereira

FCT | FCCN

[Pitch based on the developed draft for institutional DM policies](#)

Trainees

[Framework for an Institutional Policy and feedback](#)

Filipa Pereira

FCT | FCCN

[Responsibility of different stakeholders in the Institution](#)

Trainees

[LEARN Project Survey: Compare results with RDM Forum WG](#)

Filipa Pereira

FCT | FCCN

11/4

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Assignment in  
groups 2

- Annotate a dataset and submit it to BioData.pt DMPortal
- Identify gaps, needs, bottlenecks
- Make a swot analysis
- Propose solutions

Groups of 2 trainees. Steps 1 and 2 to be carried out individually about own institution; then swap with colleague to carry out 3 and 4. Resume in a collective discussion producing a 5-minute presentation about 3 and 4.

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# Data stewardship for life sciences - Researcher

JUN  
DS LAB2

- Sharing point
- Dataset annotation and submission to DMPortal

20/6

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To be discussed, should be hands-on and bring trainees to a next level (intermediate?)

**Tailor made according to previous experience**

Hands-on COVID-19 Dutch experience? (controlled vocabularies and ontologies covid-19)

Trainees do something (Day one/another assignment between June and October to be presented in the final course? how metadata is important)

Set date

***DATE TBD***

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# TRAINING DATA STEWARDS

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DS4Researcher  
Intro

Assignment in  
groups

DS LAB1

Assignment in  
groups

DS LAB2

Assignment

DS4Researcher  
Consolidation