

PsyCoMed

Version 0

Description

The PSYchiatric disorders and COMorbidities caused by pollution in the MEDiterranean area (PsyCoMed) project proposes a MSCA Staff Exchange program that aims to characterise the role of anthropogenic pollutants in the Mediterranean area as a risk factor of neuropsychiatric disorders and associated pathologies, and the role of neuroinflammatory responses in the disease progression. The consortium comprises 11 beneficiaries (8 academic, 3 SMEs) and 3 TC partners putting together complementary expertise in environmental and life sciences (academics) and analytical biology or natural therapeutic phytocompounds (SMEs). Through a multiscale (from molecular to clinical science), multi-modal (from mechanistic to behavioural approaches), and inter-sectoral strategy, PsyCoMed will correlate the effects of pollutants on psychiatric symptoms with alterations of inflammatory pathways in animal models and psychiatric patients. We will investigate neural mechanisms underlying pathological changes in vitro and in in vivo preclinical models. Natural substances with therapeutic potential will be tested for their ability to restore healthy mechanisms and alleviate pathological symptoms in animal models. PsyCoMed offers a unique framework to build a network synergy by bringing together themes and scientific practises in the Mediterranean area. The partners will share knowledge/know-how through secondments and workshops in support of PsyCoMed scientific objectives. This will improve the skills of staff members and their opening to the academic and private sectors. By proposing common protocols and experimental design, the participants will foster standardization of experimental procedures and diffusion of good laboratory practise. At a global level, the consortium will acquire the capacity to tackle complex neurobiological challenges, while building long-lasting collaborations. PsyCoMed will provide decision-makers with the ground for public health orientations with societal impact.

Funder

European Commission||EC

Grant

Psychiatric disorders and

Comorbidities caused by
pollution in the
Mediterranean area/ No
101086247

Researchers

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Marc Landry (orcid:0000-0003-3936-324X), Stefano Morara
(orcid:0000-0002-1742-1712), Jacques NOEL (orcid:0000-
0003-4017-2352), Isis Gil-Miravet (orcid:0000-0002-1901-
8804), Olfa Masmoudi-Kouki (orcid:0000-0001-7313-0509),
LIANA FATTORE (orcid:0000-0002-2663-666X), Mónica
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Ponsonby (orcid:0000-0002-6581-3657), karine masse
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0002-4017-2988), Esther Castillo-Gómez (orcid:0000-0002-
7566-0340), Walid Hleihel (orcid:0000-0003-0683-4156),
Francisco E Olucha-Bordonau (orcid:0000-0003-0342-993X),
Mohamed Bennis (orcid:0000-0002-8563-9676), Saadia Ba-
M'hamed (orcid:0000-0003-4934-7956)

Organizations

University Cadi Ayyad Marrakech (UCAM), Jagiellonian
University, FLANAT Research, University of Tunis El Manar,
WatchFrog, Université de Nice Sophia Antipolis, Florey
Institute of Neuroscience and Mental Health, Consiglio
Nazionale delle Ricerche, Universite Saint Esprit de Kaslik,

Université de Bordeaux, Alexandria University, UNIVERSITAT
JAUME I DE CASTELLON, Benephyt

1. Main Info

Title of DMP: [PsyCoMed](#)

Description:

The PSYchiatric disorders and COMorbidities caused by pollution in the MEDiterranean area (PsyCoMed) project proposes a MSCA Staff Exchange program that aims to characterise the role of anthropogenic pollutants in the Mediterranean area as a risk factor of neuropsychiatric disorders and associated pathologies, and the role of neuroinflammatory responses in the disease progression. The consortium comprises 11 beneficiaries (8 academic, 3 SMEs) and 3 TC partners putting together complementary expertise in environmental and life sciences (academics) and analytical biology or natural therapeutic phytocompounds (SMEs). Through a multiscale (from molecular to clinical science), multi-modal (from mechanistic to behavioural approaches), and inter-sectoral strategy, PsyCoMed will correlate the effects of pollutants on psychiatric symptoms with alterations of inflammatory pathways in animal models and psychiatric patients. We will investigate neural mechanisms underlying pathological changes in vitro and in in vivo preclinical models. Natural substances with therapeutic potential will be tested for their ability to restore healthy mechanisms and alleviate pathological symptoms in animal models. PsyCoMed offers a unique framework to build a network synergy by bringing together themes and scientific practises in the Mediterranean area. The partners will share knowledge/know-how through secondments and workshops in support of PsyCoMed scientific objectives. This will improve the skills of staff members and their opening to the academic and private sectors. By proposing common protocols and experimental design, the participants will foster standardization of experimental procedures and diffusion of good laboratory practise. At a global level, the consortium will acquire the capacity to tackle complex neurobiological challenges, while building long-lasting collaborations. PsyCoMed will provide decision-makers with the ground for public health orientations with societal impact.

Researchers:

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Consiglio Nazionale delle Ricerche
Universite Saint Esprit de Kaslik
Université de Bordeaux
Alexandria University
UNIVERSITAT JAUME I DE CASTELLON
Benephyt

Contact: Francisco E Olucha-Bordonau

2. Funding

Funding organizations: European Commission||EC

Grants: Psychiatric disorders and Comorbidities caused by pollution in the Mediterranean area

Project: PsyCoMed WP8 Ethics

3. License

License: CC-BY-4.0

Access Rights: Restricted

4. Templates

Descriptions

Report of external ethics committee

Constitution and first report of the external ethics committee for PsyCoMed

Template: [Horizon Europe](#)

Type: [Dataset](#)

1.1 Brief description of the described research output

1.1.1 What kind of research output are you describing?

Other

1.1.2 Is it physical or digital?

Digital

1.1.3 Are you generating or re-using it?

New

1.1.4 What is the type of the described dataset?

Reference or canonical

Data of the meeting of the external committee

1.1.5 What is its format?

.pdf

1.1.6 What is its expected size?

50 kB

1.1.7 Why are you collecting/generating or re-using it?

To share information

1.1.8 What is its origin / provenance?

The agreements in a committee

1.1.9 To whom might it be useful ('data utility')?

Decision makers

2.1 Publications

2.1.1 Does the described output support any scientific publication?

No

2.1.2 Is there a data availability statement provided along with the publication?

No

2.2 Datasets

2.2.1 Does the described output use or support any published dataset?

No

2.3 Software

2.3.1 Does the described output use or support any software?

No

3.1.1 Making data findable, including provisions for metadata

3.1.1.1 What type(s) of persistent identifier(s) are used for the described dataset / output?

Data identifiers

DOI

10.5281/zenodo.11445353

3.1.1.2 Will you provide metadata for the described dataset / output?

No

3.2.1 Repository

3.2.1.1 In which repository will the dataset / output be deposited?

zenodo

<https://zenodo.org/records/11445353>

3.2.1.2 Is the selected repository a trusted source?

Yes

3.2.1.5 Does the repository(ies) assign datasets / outputs with persistent identifiers?

Yes

3.2.1.7 Does the repository support versioning?

Yes

3.2.2 Data

3.2.2.1 What is the described dataset / output title?

PsyCoMed Constitution of the external ethics committee 30 May 2024

3.2.2.2 How is the dataset / output shared?

Open

3.2.2.5 Are there any methods or tools required to access the dataset / output?

No

3.2.2.8 Is the described dataset / output supported by a data access committee?

No

3.2.3 Metadata

3.2.3.1 Will you provide metadata even if the described dataset / output can not be openly shared?

No

3.2.3.2 Under which license will metadata be provided?

Creative Commons Zero (CC0)

3.2.3.3 Do metadata provide information about how to access the described dataset / output?

No

3.2.3.4 Will metadata remain available after the dataset / output is no longer available?

No

3.3 Making data and other outputs interoperable

3.3.1 Does your (meta)data use a controlled vocabulary?

No

3.3.3 Have you applied a standard schema for your (meta)data?

No

3.3.4 Will you provide a mapping to more commonly used ontologies?

No

3.3.7 Does the described dataset / output provide qualified references with other outputs?

Yes

3.4 Increasing data and other outputs reuse

3.4.1 What internationally recognised licence will you use for your dataset / output?

Creative Commons Attribution-NonCommercial 4.0

2029-11-01

3.4.2 What reusability and / or reproducibility methods are followed?

Other

3.4.3 Will you provide the described dataset / output in the public domain?

Yes

3.4.4 Do you intend to ensure (re)use by third parties after your project finishes?

No

3.4.5 Is provenance well documented?

Yes

3.4.6 What documented procedures for quality assurance do you have in place?

Not available

4.1 Allocation of resources

4.1.1 What will be the cost of making the described output FAIR?

0

Euro

Storage

Direct cost

4.1.2 How will this cost be covered?

Use of national infrastructure

4.1.3 Identify the people who will be responsible and their role(s) in the management of the described output

Francisco E Olucha-Bordonau (orcid:0000-0003-0342-993X)

5.1 Data Security

5.1.1 What security measures are followed?

Passwords

5.1.2 What conditions do the security measures meet?

Data access

6.1 Ethical aspects

6.1.1 Are there any ethical or legal issues that can have an impact on sharing the described dataset / output?

yes

Agreement regarding procedures in implementation of the PsyCoMed project

6.1.2 Does the described dataset / output contain sensitive information?

No

6.1.3 Does the described dataset / output contain personal data?

Yes

7.1 Other

7.1.1 Do you make use of other procedures for data management?

No

Authorizations of animal procedures

Authorized procedures on animal research by 30th May 2024

Template: [Horizon Europe](#)

Type: [Dataset](#)

1.1 Brief description of the described research output

1.1.1 What kind of research output are you describing?

Protocols

1.1.2 Is it physical or digital?

Digital

1.1.3 Are you generating or re-using it?

New

1.1.4 What is the type of the described dataset?

Derived or compiled

1.1.5 What is its format?

.pdf

1.1.6 What is its expected size?

60 kB

1.1.7 Why are you collecting/generating or re-using it?

To share information

1.1.9 To whom might it be useful ('data utility')?

- Research communities
- Decision makers

2.1 Publications

2.1.1 Does the described output support any scientific publication?

No

2.1.2 Is there a data availability statement provided along with the publication?

No

2.2 Datasets

2.2.1 Does the described output use or support any published dataset?

No

2.3 Software

2.3.1 Does the described output use or support any software?

No

3.1.1 Making data findable, including provisions for metadata

3.1.1.1 What type(s) of persistent identifier(s) are used for the described dataset / output?

Data identifiers

DOI

10.5281/zenodo.11422264

3.1.1.2 Will you provide metadata for the described dataset / output?

No

3.2.1 Repository

3.2.1.1 In which repository will the dataset / output be deposited?

Zenodo

<https://zenodo.org/records/11422264>

3.2.1.2 Is the selected repository a trusted source?

Yes

3.2.1.5 Does the repository(ies) assign datasets / outputs with persistent identifiers?

Yes

3.2.1.7 Does the repository support versioning?

Yes

3.2.2 Data

3.2.2.1 What is the described dataset / output title?

Authorizations of animal procedures

3.2.2.2 How is the dataset / output shared?

Open

3.2.2.5 Are there any methods or tools required to access the dataset / output?

No

3.2.2.8 Is the described dataset / output supported by a data access committee?

No

3.2.3 Metadata

3.2.3.1 Will you provide metadata even if the described dataset / output can not be openly shared?

No

3.2.3.2 Under which license will metadata be provided?

Creative Commons Zero (CC0)

3.2.3.3 Do metadata provide information about how to access the described dataset / output?

No

3.2.3.4 Will metadata remain available after the dataset / output is no longer available?

Yes

3.3 Making data and other outputs interoperable

3.3.1 Does your (meta)data use a controlled vocabulary?

No

3.3.3 Have you applied a standard schema for your (meta)data?

No

3.3.7 Does the described dataset / output provide qualified references with other outputs?

No

3.4 Increasing data and other outputs reuse

3.4.1 What internationally recognised licence will you use for your dataset / output?

Creative Commons Attribution 4.0

3.4.2 What reusability and / or reproducibility methods are followed?

Other

3.4.3 Will you provide the described dataset / output in the public domain?

Yes

3.4.4 Do you intend to ensure (re)use by third parties after your project finishes?

No

3.4.5 Is provenance well documented?

Yes

3.4.6 What documented procedures for quality assurance do you have in place?

Not available

4.1 Allocation of resources

4.1.1 What will be the cost of making the described output FAIR?

0

Euro

Storage

Direct cost

4.1.2 How will this cost be covered?

Use of institution infrastructure

4.1.3 Identify the people who will be responsible and their role(s) in the management of the described output

Francisco E Olucha-Bordonau (orcid:0000-0003-0342-993X)

5.1 Data Security

5.1.1 What security measures are followed?

Other

5.1.2 What conditions do the security measures meet?

Data access

6.1 Ethical aspects

6.1.1 Are there any ethical or legal issues that can have an impact on sharing the described dataset / output?

no

6.1.2 Does the described dataset / output contain sensitive information?

No

6.1.3 Does the described dataset / output contain personal data?

No

7.1 Other

7.1.1 Do you make use of other procedures for data management?

No

WP2 Raw data for Deep learning based method

Raw data for: Deep learning-based scoring method of the three-chamber social behaviour

Template: [Horizon Europe](#)

Type: [Dataset](#)

1.1 Brief description of the described research output

1.1.1 What kind of research output are you describing?

Research Data

1.1.2 Is it physical or digital?

Digital

1.1.3 Are you generating or re-using it?

New

1.1.4 What is the type of the described dataset?

Experimental

1.1.5 What is its format?

excel

1.1.6 What is its expected size?

200 kB

1.1.7 Why are you collecting/generating or re-using it?

- To share information
- To keep on record

1.1.9 To whom might it be useful ('data utility')?

- Researchers
- Research communities

2.1 Publications

2.1.1 Does the described output support any scientific publication?

No

2.1.2 Is there a data availability statement provided along with the publication?

Yes

<https://zenodo.org/records/11453185>

2.3 Software

2.3.1 Does the described output use or support any software?

No

3.1.1 Making data findable, including provisions for metadata

3.1.1.1 What type(s) of persistent identifier(s) are used for the described dataset / output?

Data identifiers

DOI

10.5281/zenodo.11453185

3.1.1.2 Will you provide metadata for the described dataset / output?

Yes

README file

3.1.1.3 What type(s) of metadata?

Descriptive

3.1.1.4 Do the metadata use standardised vocabularies?

No

3.1.1.6 Are the metadata searchable?

Yes

3.1.1.7 How are searchable metadata provided?

Other

included in the zenodo repository

3.1.1.8 Are keywords provided in the metadata?

No

3.1.1.9 Are metadata harvestable?

No

3.2.1 Repository

3.2.1.1 In which repository will the dataset / output be deposited?

Zenodo

Zenodo

<https://zenodo.org/records/11453185>

Raw data for: Deep learning-based scoring method of the three-chamber social behaviour

3.2.1.2 Is the selected repository a trusted source?

Yes

3.2.1.5 Does the repository(ies) assign datasets / outputs with persistent identifiers?

Yes

3.2.1.7 Does the repository support versioning?

Yes

3.2.2 Data

3.2.2.1 What is the described dataset / output title?

WP2 Raw data for Deep learning based method

3.2.2.2 How is the dataset / output shared?

Open

3.2.2.5 Are there any methods or tools required to access the dataset / output?

No

3.2.2.8 Is the described dataset / output supported by a data access committee?

No

3.2.2.9 Please specify how the dataset / output will be accessed during and after the project ends

Yes

3.2.3 Metadata

3.2.3.1 Will you provide metadata even if the described dataset / output can not be openly shared?

Yes

3.2.3.2 Under which license will metadata be provided?

Creative Commons Zero (CC0)

3.2.3.3 Do metadata provide information about how to access the described dataset / output?

Yes

through the readme file

3.2.3.4 Will metadata remain available after the dataset / output is no longer available?

Yes

3.3 Making data and other outputs interoperable

3.3.1 Does your (meta)data use a controlled vocabulary?

No

3.3.3 Have you applied a standard schema for your (meta)data?

No

3.3.4 Will you provide a mapping to more commonly used ontologies?

No

3.3.7 Does the described dataset / output provide qualified references with other outputs?

No

3.4 Increasing data and other outputs reuse

3.4.1 What internationally recognised licence will you use for your dataset / output?

Creative Commons Attribution-NonCommercial 4.0

3.4.2 What reusability and / or reproducibility methods are followed?

Readme files

3.4.3 Will you provide the described dataset / output in the public domain?

Yes

3.4.4 Do you intend to ensure (re)use by third parties after your project finishes?

No

3.4.5 Is provenance well documented?

Yes

4.1 Allocation of resources

4.1.1 What will be the cost of making the described output FAIR?

0

Euro

Storage

Direct cost

4.1.2 How will this cost be covered?

Use of institution infrastructure

4.1.3 Identify the people who will be responsible and their role(s) in the management of the described output

Francisco E Olucha-Bordonau (orcid:0000-0003-0342-993X)

5.1 Data Security

5.1.1 What security measures are followed?

Other

5.1.2 What conditions do the security measures meet?

Data access

6.1 Ethical aspects

6.1.1 Are there any ethical or legal issues that can have an impact on sharing the described dataset / output?

no

6.1.2 Does the described dataset / output contain sensitive information?

No

6.1.3 Does the described dataset / output contain personal data?

No

7.1 Other

7.1.1 Do you make use of other procedures for data management?

Yes

D8.1 Ethics report until May 2024

Rewport of activities on WP8 Ethics of the PsyCoMed project until May 2024

Template: [Horizon Europe](#)

Type: [Dataset](#)

1.1 Brief description of the described research output

1.1.1 What kind of research output are you describing?

Other

1.1.2 Is it physical or digital?

Digital

1.1.3 Are you generating or re-using it?

New

1.1.4 What is the type of the described dataset?

Other

Aspects and agreements of the ethics WP

1.1.5 What is its format?

pdf

1.1.6 What is its expected size?

109

1.1.7 Why are you collecting/generating or re-using it?

To share information

1.1.8 What is its origin / provenance?

Work done on ethics

1.1.9 To whom might it be useful ('data utility')?

- Researchers
- Research communities

2.1 Publications

2.1.1 Does the described output support any scientific publication?

No

2.1.2 Is there a data availability statement provided along with the publication?

No

2.2 Datasets

2.2.1 Does the described output use or support any published dataset?

No

2.3 Software

2.3.1 Does the described output use or support any software?

No

3.1.1 Making data findable, including provisions for metadata

3.1.1.1 What type(s) of persistent identifier(s) are used for the described dataset / output?

Data identifiers

DOI

10.5281/zenodo.12533569

3.1.1.2 Will you provide metadata for the described dataset / output?

No

3.2.1 Repository

3.2.1.1 In which repository will the dataset / output be deposited?

ZENODO

[https://zenodo.org/communities/psycomed/records?
q=&l=list&p=1&s=10&sort=newest](https://zenodo.org/communities/psycomed/records?q=&l=list&p=1&s=10&sort=newest)

D8.1 Ethics report WP8

3.2.1.2 Is the selected repository a trusted source?

Yes

3.2.1.5 Does the repository(ies) assign datasets / outputs with persistent identifiers?

Yes

3.2.1.6 Does the repository(ies) resolve the identifiers to a digital object?

YES

3.2.1.7 Does the repository support versioning?

Yes

3.2.2 Data

3.2.2.1 What is the described dataset / output title?

ethics report deliverable May 2024

3.2.2.2 How is the dataset / output shared?

Open

3.2.2.5 Are there any methods or tools required to access the dataset / output?

No

3.2.2.8 Is the described dataset / output supported by a data access committee?

No

3.2.2.9 Please specify how the dataset / output will be accessed during and after the project ends

Will be accessed after the project ends

3.2.2.10 Please specify how long after the project has ended the dataset / output will be made accessible for

June 2027

3.2.3 Metadata

3.2.3.1 Will you provide metadata even if the described dataset / output can not be openly shared?

No

3.2.3.2 Under which license will metadata be provided?

Creative Commons Zero (CC0)

3.2.3.3 Do metadata provide information about how to access the described dataset / output?

No

3.2.3.4 Will metadata remain available after the dataset / output is no longer available?

Yes

3.3 Making data and other outputs interoperable

3.3.1 Does your (meta)data use a controlled vocabulary?

No

3.3.3 Have you applied a standard schema for your (meta)data?

No

3.3.7 Does the described dataset / output provide qualified references with other outputs?

Yes

3.4 Increasing data and other outputs reuse

3.4.1 What internationally recognised licence will you use for your dataset / output?

Creative Commons Attribution Share-Alike 4.0

2027-06-25

3.4.3 Will you provide the described dataset / output in the public domain?

No

3.4.4 Do you intend to ensure (re)use by third parties after your project finishes?

No

3.4.5 Is provenance well documented?

Yes

3.4.6 What documented procedures for quality assurance do you have in place?

Not available

4.1 Allocation of resources

4.1.1 What will be the cost of making the described output FAIR?

0

Euro

Storage

Direct cost

4.1.2 How will this cost be covered?

Use of national infrastructure

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Other

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Data access

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no

6.1.2 Does the described dataset / output contain sensitive information?

No

6.1.3 Does the described dataset / output contain personal data?

No

7.1 Other

7.1.1 Do you make use of other procedures for data management?

No

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