

initiative for **Dark Matter** in **Europe and beyond**

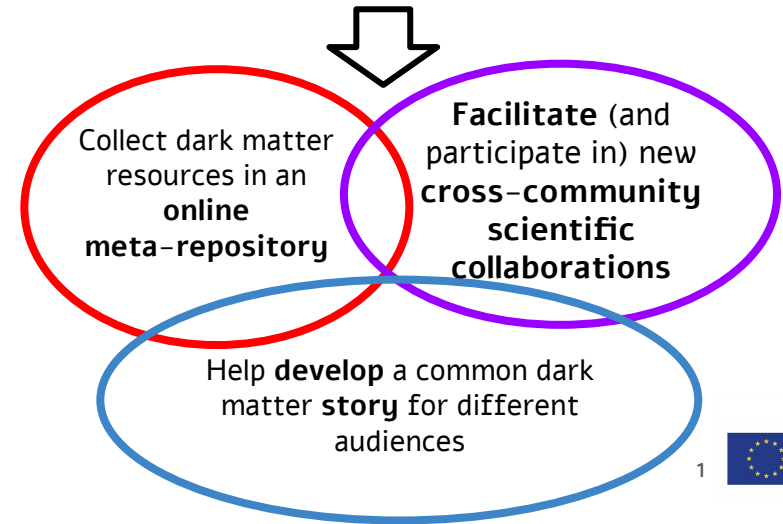
The best region to find dark matter is the one where more techniques and ideas can **discover** and **explore** DM!



After the European Strategy Update process and during a joint ECFA/APPEC/NuPECC (JENAA) meeting, a number of DM researchers met with similar questions:

E.g. "what are your assumptions?" "why do you use this technique?" "how will findings in your DM research impact my DM research?" "where can we meet and discuss this topic in depth after this meeting?"

We realized that there was **no common platform** for these discussions or for resource sharing
→ we decided to start developing it, with three interconnected objectives



Three connected iDMEu objectives

Note: iDMEu is intended as a platform that brings together **existing/future** community efforts

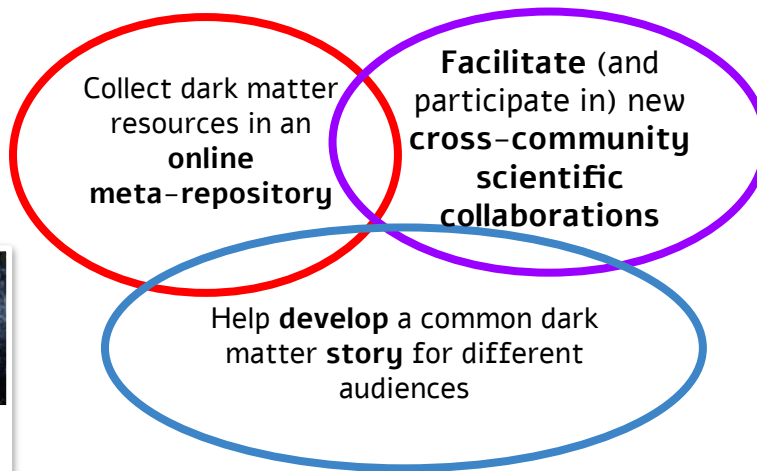
iDMEu enables finding **synergies** and highlighting the **complementarity** of different dark matter communities by developing a **common platform** to:

Domain and preliminary website: iDMEu.org

The screenshot shows the iDMEu website interface. The top part features the iDMEu logo and the tagline "Initiative for Dark Matter in Europe and beyond". Below this, there is a navigation menu on the left with options like Home, History and Goals, Teams, Scientific events, Experiments, Software tools, and Outreach resources. The main content area is titled "Experiments" and displays a table of direct detection searches.

Name	Link homepage	Phase / Run	Location	Years of operation	Detection technique	Target material
ANAS	https://darklab.univie.ac.at/	ANAS-112	LSC (Spain)	Aug 2017 - ...	Scintillation detector	NaCl(Tl)
COLEX		COLEX-1	CPL (China)	... - 2013	Ionisation detector	Ge
		COLEX-10	CPL (China)		Ionisation detector	Ge
		COLEX-100	CPL (China)		Ionisation detector	Ge
		COLEX-1T	CPL (China)		Ionisation detector	Ge
COMS		COMS-1	BURP (USA)	1998-2002	Cryogenic bolometer	
		COMS-2	Soudan Underground Laboratory (USA)	2003-2009	Cryogenic bolometer	
		COMS-3	Soudan Underground Laboratory (USA)	2009 - ...	Cryogenic detector	Ge
CoGaNT		CoGaNT	Soudan Underground Laboratory (USA)			

Work in progress: tables of past/present/future DM experiments



Today and tomorrow's **community talks**
+
Tomorrow's **breakout sessions**
+
Wednesday's **closing session**

Wednesday's **outreach session**
(with a hands-on component)



Gabriella Szabó
(Bachelor student, Lund University, Sweden)

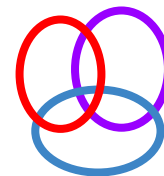
Romane Kulesza
(Bachelor student, PSL University, Paris, France)

Tom Laclavère
(Master student, Université de Paris, France)

Created by **curators:**
students doing an internship on collecting info & learning about DM
→ contact us if interested!

iDMEu enables to do **more of the sum of its parts**

- iDMEu is meant as a **service** to the community
- It aims to provide what we (proponents) felt was missing:
 - A **website** to collect and find information / expertise on dark matter
 - Occasions for **broad community cross-talk** in the shape of meetings / discussion sessions at existing conferences
 - A **platform** where new projects can be initiated, including tools to facilitate communication and common scientific interpretations
 - Resources for developing a common **dark matter story** for different audiences
- iDMEu is still taking shape
 - With the help of a [Task Force put in place by JENAA \(APPEC/ECFA/NuPECC\)](#)
 - With **your help**, as this kick-off is our first step and will be the basis for further activities
 - [Live notes for comments and follow-ups on this meeting are here](#)



iDMEu's success will lie in the success of the activities it facilitates