



Consorti de
Serveis Universitaris
de Catalunya

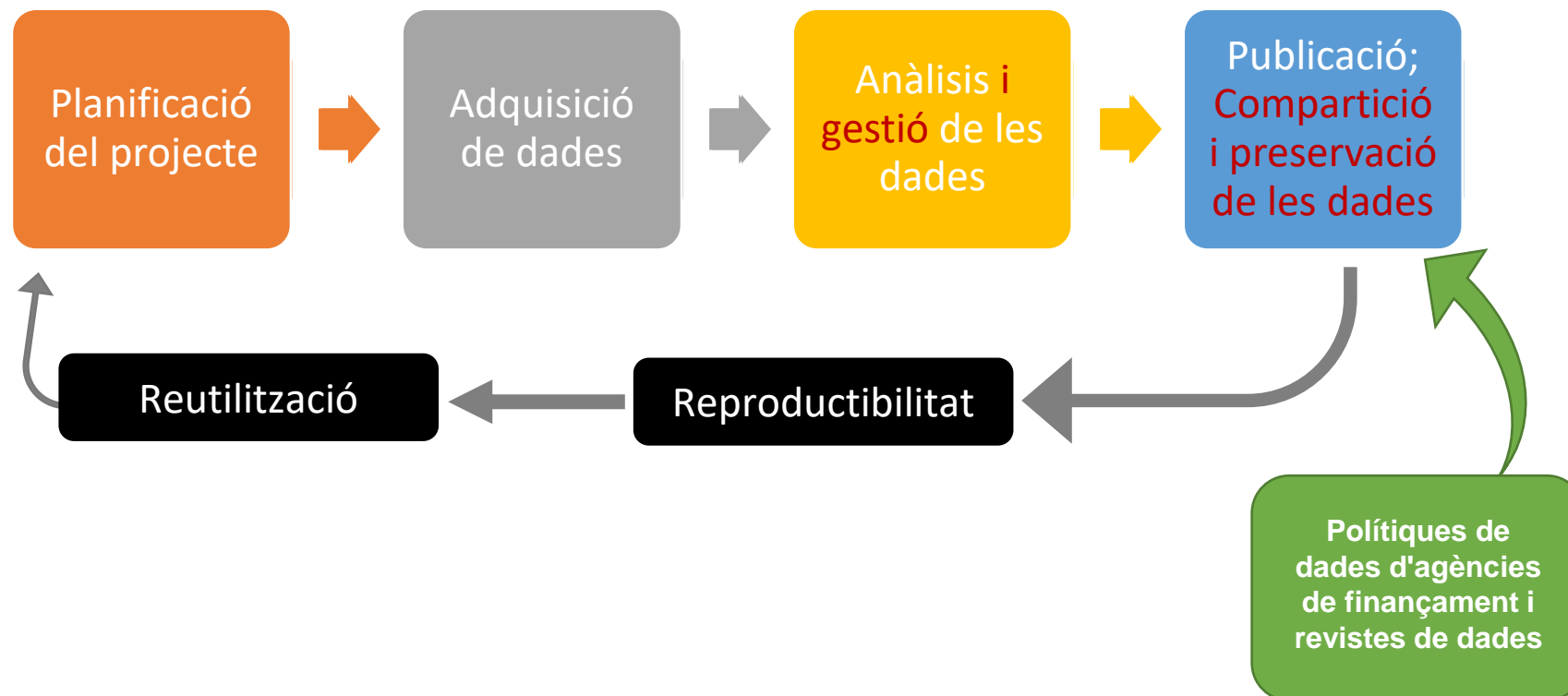
Serveis de dades per a tot el cicle de la recerca

Ciència Oberta & Serveis TIC



- ✓ **Serveis de dades per tot el cicle de la recerca**
- ✓ Un exemple d'ús
- ✓ Creixement gràcies a fons europeus

Tradicional → Actual

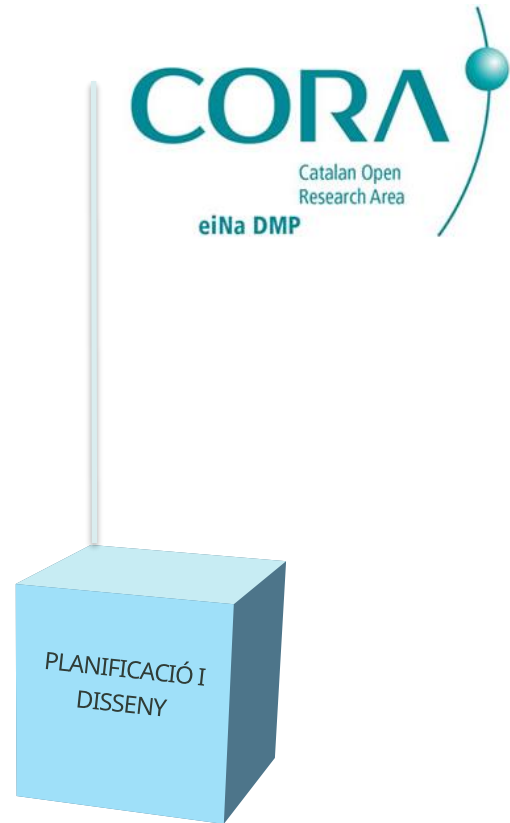


*Basat en un gràfic de M.Crosas

✓ 2016: Inici de servei *Research Data Management, RDM* basat en:

- la política d'accés obert a les dades
- la formació
- els plans de gestió de dades
- els repositoris de dades de recerca
- la preservació a llarg termini de les dades de recerca





Què és CORA.eiNa DMP?

Eina en línia gratuïta que facilita a través d'uns formularis:

- Crear DMPs
- Compartir DMPs
- Revisar DMPs
- Exportar DMPs

Permet complir amb els requisits institucionals i d'altres organismes de finançament

The screenshot shows the CORA.eiNa DMP website. At the top, there is a navigation bar with links for Home, About, Help, Public DMPs, DMP Templates, and Contact. Below this is a 'SIGN IN' section with fields for Email and Password, and a 'Sign in' button. There are also checkboxes for 'Remember email' and a link for 'Forgot password?'. A 'CREATE ACCOUNT' link is also visible.

Below the sign-in section, there is a text block: "This tool helps you to create, review, and share data management plans that meet institutional and funder requirements. Join the growing number of researchers that have adopted eIna DMP." To the right of this text is a dark blue box with the text "10 simple rules for creating a good data management plan" and a left-pointing arrow.

Below this, there are three statistics: "893 USERS", "470 PLANS", and "31 ORGANIZATIONS".

Below the statistics, there is a text block: "You can download funder templates without logging in, but from this tool you will find tailored guidance from these organizations. Why not sign up for an account and try it out?"

The main content area is a grid of logos for various organizations, including:

- UNIVERSITAT DE BARCELONA
- UAB - Universitat Autònoma de Barcelona
- UNIVERSITAT POLITÈCNICA DE CATALUNYA
- UPF - Universitat Pompeu Fabra
- Universitat de Girona
- Universitat de Lleida
- UNIVERSITAT ROVIRA I VIRIGLI
- UOC - Universitat Oberta de Catalunya
- UNIVERSITAT DE VALÈNCIA
- UNIVERSITAT RAMON LLULL
- Universitat de les Illes Balears
- ULC - Universitat de Lleida
- IFAE
- Institut de Recerca en Ciències de la Terra i l'Espai
- IRB
- ICAC - Institut Català d'Arqueologia Clàssica
- i2cat
- CROG - Centre de Recerca en Agridenòmica
- VHIO - Vall d'Hebron Institute of Oncology
- IrsiCaixa - Institut de Recerca de la Sida
- IdiG - Institut d'Investigacions Biomèdiques Dr. Josep Trots
- TecnoCampus
- ICIQ - Institut Català d'Investigació Química
- IMIM - Institut d'Investigacions Biomèdiques August Pi i Sunyer
- IRTA - Institut de Recerca i Tecnologia Agrària i Alimentària
- SJD - Sant Joan de Déu Institut de Recerca
- ICRA - Institut Català de Recerca i Innovació Tecnològica
- IDIBAPS - Institut d'Investigacions Biomèdiques August Pi i Sunyer
- ICFO - Institut Català de Ciències Fotòniques
- IDIBELL - Institut d'Investigacions Biomèdiques August Pi i Sunyer
- santpau

At the bottom of the page, there is a footer with links for Accessibility, Legal disclaimer, Privacy and Cookie Policy, and Collaborations. The CSUC logo is also present in the bottom right corner.

- ✓ 33 institucions participants (12 universitats + 21 centres de recerca CERCA)
- ✓ + 500 DMPs reals creats
- ✓ + 1.300 usuaris registrats
- ✓ Creada col·lectivament / Personalitzada institucionalment

H2020

expand all | collapse all

2.2.B Specify how the data will be made available (e.g. by deposition in a repository) +

Describe how the data will be shared, i.e. who will have access to the dataset. You can create a procedure to temporarily make the data accessible to other group members, project partners, and the general public. You should state whether the data will be open access and in what reasonable period. One possibility is to offer them together with the publications. If embargo periods are required, this is where you need to specify them.

[Real example](#)

1. The data will be deposited in the storage systems which will be tested by WP6, as appropriate (<Repository1>, <Repository2>, <Repository3>). Links from <AcronymProject> website will be provided to these storage systems. By their service definition, the data stored at <Repository1> remains permanently available. Permanent access to the data on national <Repository2> and <Repository3> tests is not foreseen. Data from the digitisation pilots may remain permanently available if published on <Repository4>. These arrangements will be revisited after the data from the pilots has been created.
2. Once processing, quality control, organisation, analysis and publication are complete, the data will be made accessible by deposition in open access repositories (eg Zenodo).

2.2.C Specify what methods or software tools are needed to access the data +

2.2.F Specify where the data and associated metadata, documentation and code be deposited +

2.2.H Specify how access will be provided if there are restrictions on use +

Specify which data will be made openly available +

4. Data security (0 / 1)

Address data recovery as well as secure storage and transfer of sensitive data

Guidance

Comments

H2020	UPF (Ciutadella)	UPF (Mar)	UPF (Poblenou)
4.A Address data recovery as well as secure storage and transfer of sensitive data +			
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Save

5. Ethical aspects (0 / 1)

6. Other issues (0 / 1)

H2020 UPF (Ciutadella) UPF (Mar) UPF (Poblenou)

4.A Address data recovery as well as secure storage and transfer of sensitive data +

Ciutadella Campus also performs backups based on a type-class basis: user's data and virtual machines

- User's data (projects, HPC results, etc) are backed up:
 - Three times a day, locally (09:00, 15:00, 21:00), and retained for one day. Granularity: 3
 - Daily, weekly and monthly, once a day (23:00) and retained:
 - Daily backups, a whole week. Granularity: 7
 - Weekly backups, a whole month. Granularity: 4
 - Monthly, a year. Granularity: 2
 - Virtual machines are backed up once a week, and copies are classified and retained on a time-basis:
 - 1 copy weekly backup retained for 2 months

H2020 UPF (Ciutadella) UPF (Mar) UPF (Poblenou)

4.A Address data recovery as well as secure storage and transfer of sensitive data +

Area del Mar maintains backups on a data-class basis:

- User's computational data:
 - Once a day, locally (00:00), and retained for one week. Granularity: 7 (7x1)
 - A single subset of this data (user's own data) is backed up weekly and retained for two months. Granularity: 8 (8x1)
- Server data is also retained backed up weekly and retained for two months. Granularity: 8 (8x1)

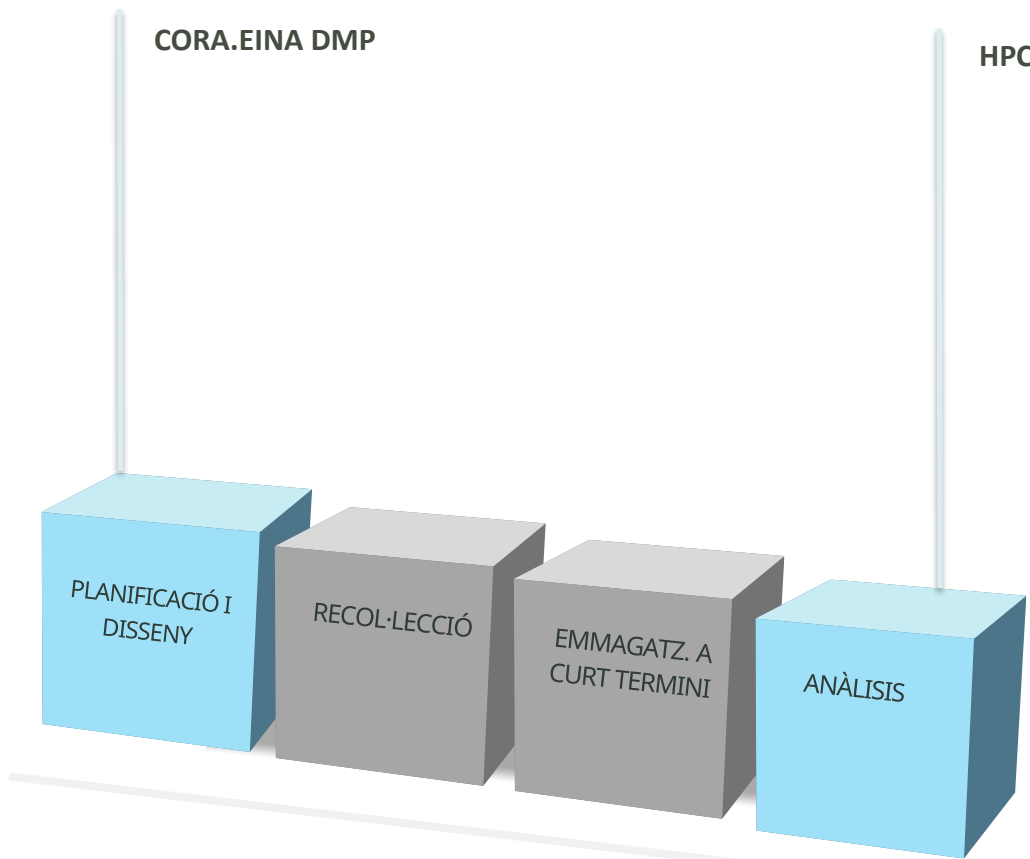
H2020 UPF (Ciutadella) UPF (Mar) UPF (Poblenou)

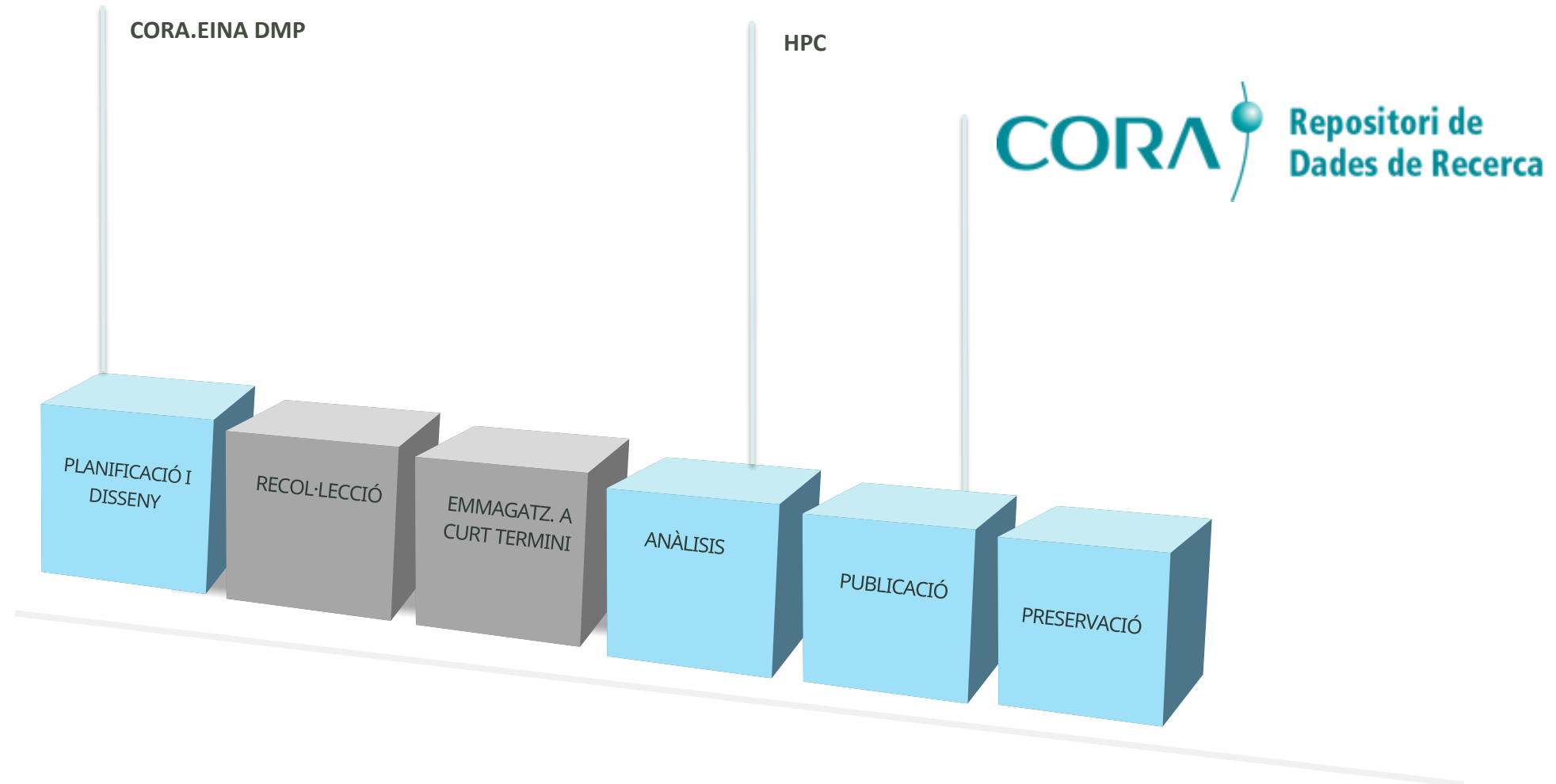
4.A Address data recovery as well as secure storage and transfer of sensitive data +

Data is backed up on a type-class basis: mission-critical (user's data, virtual machines, scientific output, etc) and static (scientific datasets, intermediate files, etc).

- Mission-critical data is backed up:
 - Virtual Machines:
 - Local backup on Campus Poblenou: from Mon to Sat, at 09:00PM retained 6 days. On Sundays, at 09:00PM and retained 3 weeks
 - Remote transfer to Jaume Primer Datacenter: Everyday at 10:00PM and retained 2 weeks
 - Static data is backed up:
 - User and Shared Data:
 - Local backup on Campus Poblenou: from Mon to Sat, at 10:00PM retained 6 days. On Sundays, at 10:00PM and retained 3 weeks
 - Remote transfer to Jaume Primer Datacenter: Everyday at 11:00PM and retained 2 weeks
 - Virtual Machines Static Data:
 - Local backup on Campus Poblenou: from Mon to Sat, at 09:00PM retained 6 days. On Sundays, at 09:00PM and retained 3 weeks
 - Remote transfer to Jaume Primer Datacenter: Everyday at 10:00PM and retained 2 weeks
 - Backups are processed automatically based on NetApp snapshot technology (SnapVault) service on a time-scheduled basis.
 - Standard recovery processes are available: CIFS sharing (previous versions), NFS exports, Qtree and volume restore.

Anàlisi: Càlcul i supercomputació





Què és CORA.Repositori de Dades de Recerca?

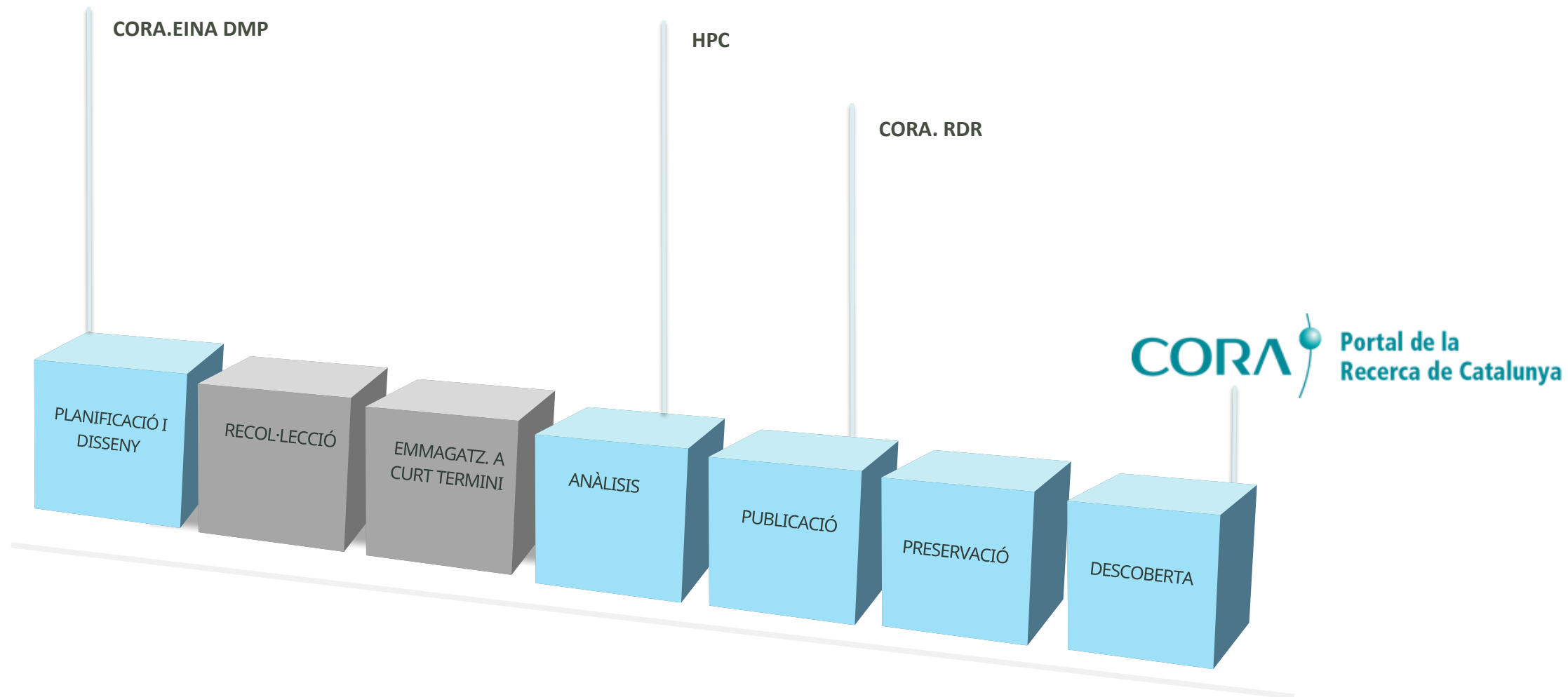
- ✓ Repositori federat per a dades de recerca (datasets)
- ✓ Per a PDI i doctorands dels sistema de recerca català
- ✓ Multidisciplinari
- ✓ En obert (tan obert com sigui possible però tan tancat com sigui necessari)
- ✓ 10GB per fitxer i 100GB màxim per dataset

Permet la publicació de datasets de recerca en mode FAIR i seguint les directrius de l'EOSC

The screenshot displays the CORA.RDR website interface. At the top, there is a navigation bar with the CORA logo and the text 'Repositori de Dades de Recerca'. Below this is a search bar with the placeholder text 'Search this dataverse...' and an 'Advanced Search' button. A statistics bar shows: 33 UNIVERSITIES & CERCA CENTERS, 497 DATASETS, 13,553 FILES, 52,823 DOWNLOADS, and 1 TB STORAGE. A carousel of partner logos includes UMB, IFAE, ICRAT, and others. The main content area shows search filters for 'Dataverses (128)', 'Datasets (497)', and 'Files (13,553)'. It also lists 'Publication Year' (2023: 138, 2022: 202, 2021: 123, 2020: 8, 2019: 10) and 'Subject' categories like 'Medicine, Health and Life Sciences (133)'. The search results section shows '1 to 10 of 625 Results' with a 'Sort' button. Three results are visible, each with a document icon, a title, a date, and a brief description.

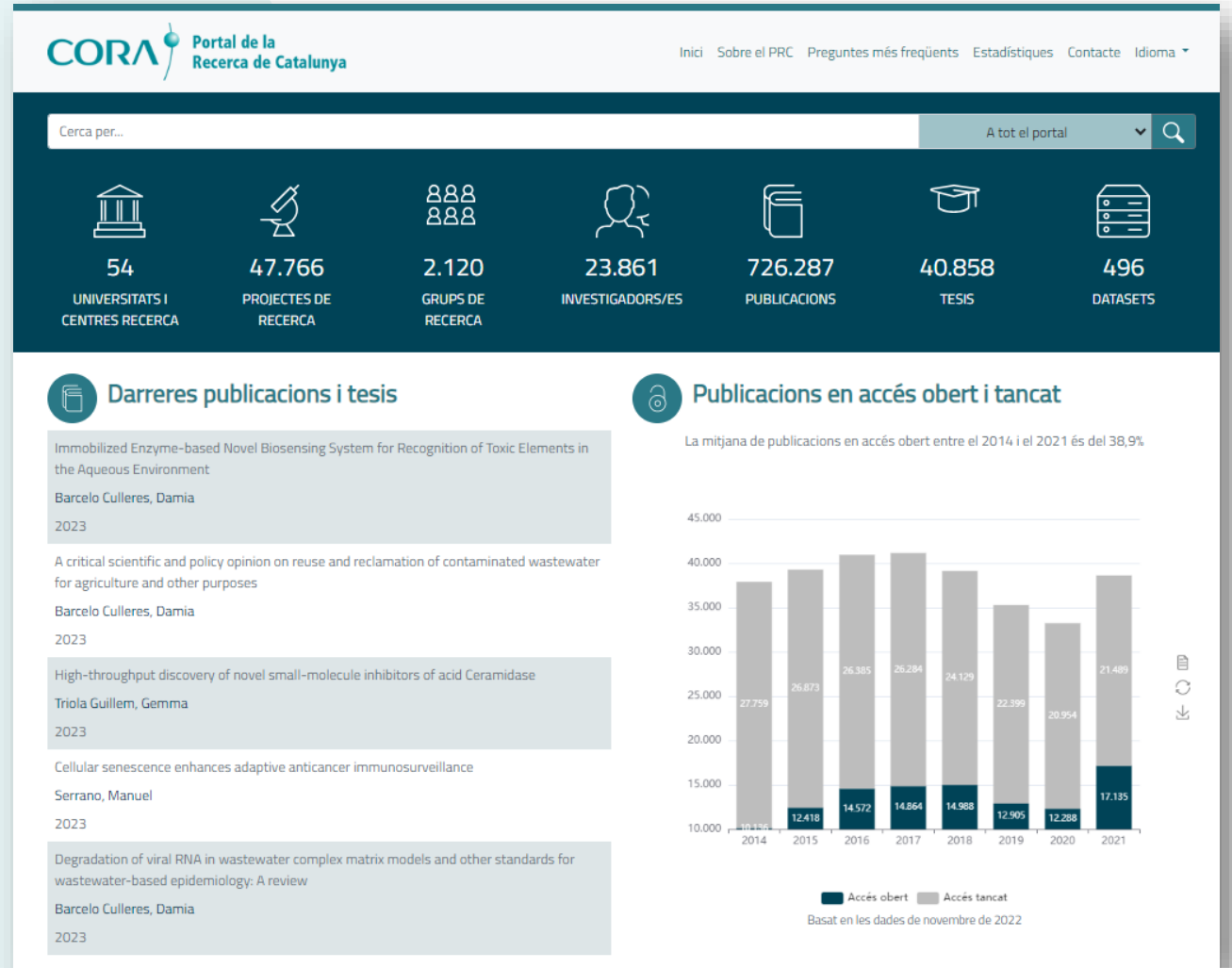
- ✓ 2021 posada en funcionament en forma de pilot
- ✓ 33 institucions participants (12 universitats + 21 centres de recerca CERCA)
- ✓ Gairebé 500 datasets publicats
- ✓ Què ofereix?
 - Augment de la visibilitat
 - Gran capacitat d'emmagatzematge
 - Gestió de dades i control d'accés
 - Preservació a llarg termini
 - Ús de qualsevol llicència
 - Transformació de formats de fitxers
 - Curació de dades

The screenshot shows the CORA.RDR website interface. At the top, the logo 'CORA Repostori de Dades de Recerca' is visible along with navigation links: Home, About, Search, User Guide, Contact, English, Sign Up, and Log In. The main heading is 'Data on particle properties, numerical and mass concentrations and chemical composition collected during the Surfing for Science project', with a 'Version 2.0' badge. Below the title, there is a document icon, a citation snippet, and buttons for 'Access Dataset', 'Contact Owner', and 'Share'. A 'Findable' badge with a magnifying glass icon is also present. The 'Description' section provides details about the project's data collection from October 2020 to June 2021. Below the description, there are tabs for 'Files', 'Metadata', 'Terms', and 'Versions'. A search bar is available with the text 'Search this dataset...'. A 'Filter by' section shows 'File Type: All' and 'Access: All'. A 'Download' button is visible. At the bottom, a file entry for 'Readme.txt' is shown with an 'A' badge and 'Accessible' label, including details like 'Plain Text - 2.0 KB', 'Published Jan 20, 2022', and '18 Downloads'.



Què és CORA.Portal de la Recerca de Catalunya?

- ✓ 53 universitats / centres de recerca
- ✓ 21.915 investigadors/es
- ✓ 725.000 publicacions i tesis

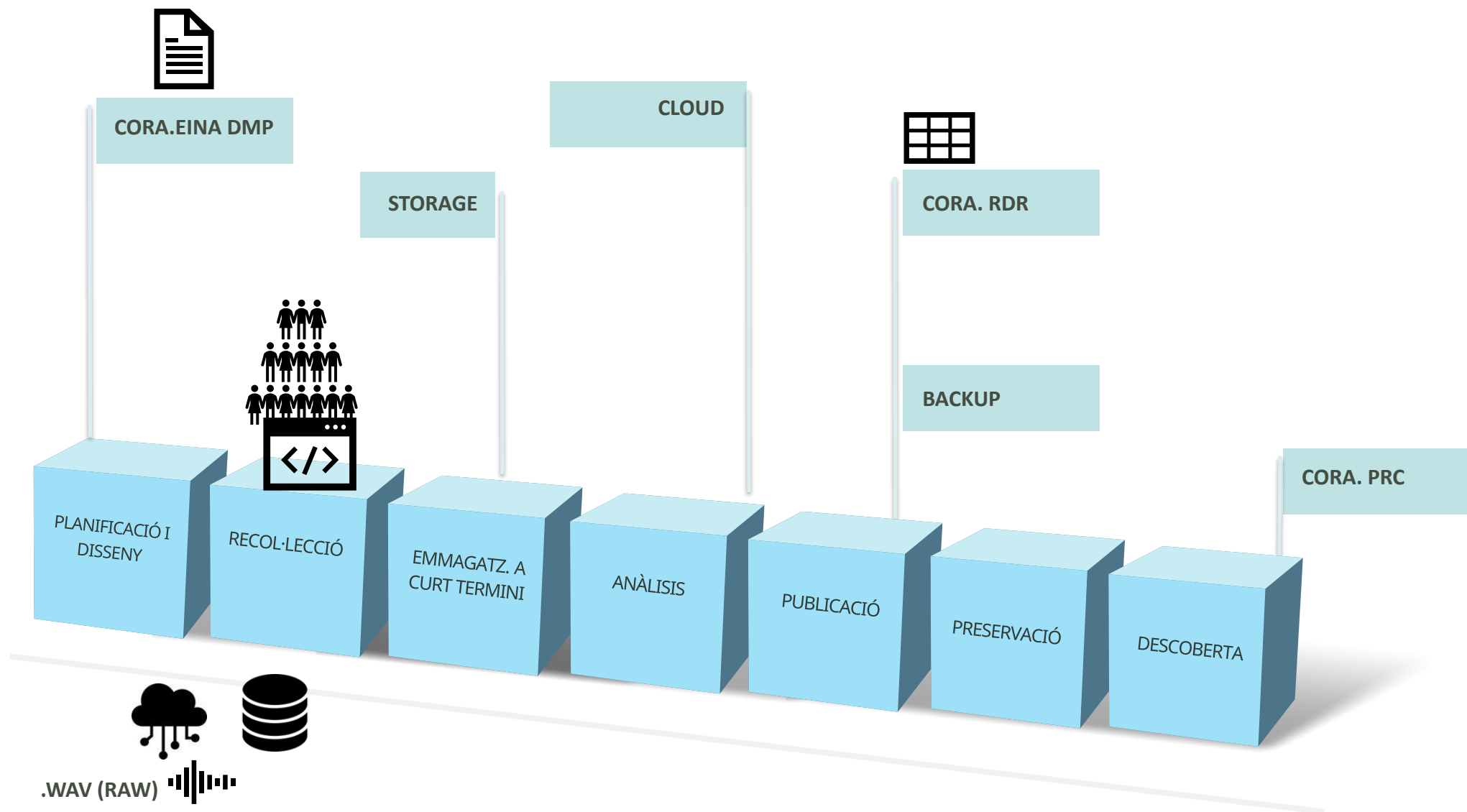


✓ ~~Serveis de dades per tot el cicle de la recerca~~

✓ **Un exemple d'ús**

✓ Creixement gràcies a fons europeus

Projecte de seguiment del ratpenats



- ~~✓ Serveis de dades per tot el cicle de la recerca~~
- ~~✓ Un exemple d'ús~~
- ✓ Creixement gràcies a fons europeus**

Ampliació i millora dels serveis de dades

 **Unió Europea**
Fons Europeu
de Desenvolupament Regional
Finançat com a resposta a la pandèmia de COVID-19

 **Next Generation**
Catalunya

 **Generalitat de Catalunya**
Departament de Recerca
i Universitats

CORA.EINA DMP

- Adaptació del servei

STORAGE

- Compra d'infraestructura

CORA. RDR

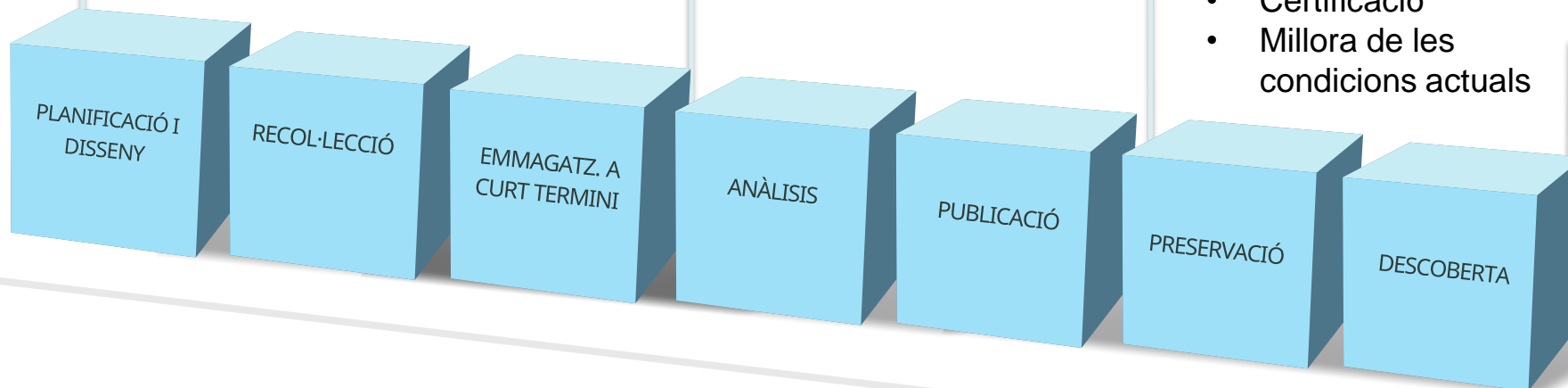
- Adaptació del servei
- Creació comunitat

PRESERVACIÓ

- Certificació
- Millora de les condicions actuals

CORA. PRC

- Indicadors bibliomètrics
- Cerca d'expertesa





Consorti de
Serveis Universitaris
de Catalunya

Gràcies!

Mireia Alcalá

mireia.alcala@csuc.cat

