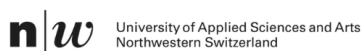


Quantitative assessment of RDM practices 2023



Research Data Management (RDM) practices (Estimated completion time: 5 minutes)

* Mandatory question

Research Data Management (RDM)

Research data refers to a range of digital materials which are acknowledged by the scientific community. This includes, but is not limited to, raw or processed data, software or code, interview records, graphs, etc. RDM encompasses the organization, storage, sharing, and preservation of this research data and code to ensure its accessibility and potential for reuse, whether by you or other researchers.

Purpose of the survey

This survey is a collaborative initiative between DaSCH, Eawag, EPFL, ETHZ, FHNW, and UNIL with the primary objective of gaining insights into your RDM practices. The information gathered will be instrumental in enhancing the institutional RDM services we provide. Some questions only apply to individual organizations.

Use of personal information

No personal information is collected by the members of the initiative. The only personal data collected through the platform SurveyHero is the IP address, which is not visible to the initiative members, and will be deleted by SurveyHero after the closing of the survey. Your answers are shared among the initiative members. In the event of any personal information being inadvertently included by you in your answers, those entries will be promptly deleted.

Consent

Your participation in this survey implies that you understand this disclaimer and provide your consent. The aggregated analysis based on this survey will be shared with our collaborating institutions and will possibly be made publicly available on appropriate online platforms (e.g. data repository). [Contact us](#) for more info on the privacy.

What is your *main* institutional affiliation? *

☐ Eawag

☐ EPFL

☐ ETHZ

☐ FHNW

☐ UNIL / CHUV

☐ (Another institution)

What is your main **EPFL affiliation?** *

☐ **CDH** - College of Humanities

☐ **CDM** - College of Management of Technology

☐ **ENAC** - School of Architecture, Civil and Environmental Engineering

☐ **IC** - School of Computer and Communication Sciences

☐ **STI** - School of Engineering

☐ **SV** - School of Life Sciences

☐ **ENT** - Education, Research, Innovation and other Centers

☐ EPFL Research **Facility / Platform**

☐ EPFL **Central Service**

☐ Other EPFL affiliation ...

What is your main **FHNW affiliation?** *

☐ FHNW School of Applied Psychology

☐ FHNW School of Architecture, Construction and Geomatics

☐ Basel Academy of Art and Design FHNW

☐ FHNW School of Life Sciences

☐ Basel Academy of Music FHNW

☐ FHNW School of Education

☐ FHNW School of Social Work

☐ FHNW School of Engineering

☐ FHNW School of Business

☐ Vice Presidium for University Development/Services/other

☐ Other FHNW affiliation ...

What is your main **UNIL / CHUV affiliation?** *

☐ **CHUV** - Centre hospitalier universitaire vaudois

☐ **HEC Lausanne** - Faculté des HEC

☐ **FBM** - Faculté de biologie et de médecine

☐ **FDCA** - Faculté de droit, des sciences criminelles et d'administration publique

☐ **FGSE** - Faculté des géosciences et de l'environnement

☐ **FTSR** - Faculté de théologie et de sciences des religions

☐ **Lettres** - Faculté des lettres

☐ **SSP** - Faculté des sciences sociales et politiques

☐

What is your main **ETHZ affiliation?** *

☐

D-ARCH

☐

D-BAUG

☐

D-BSSE

☐

D-INFK

☐

D-ITET

☐

D-MAVT

☐

D-MATL

☐

D-BIOL

☐

D-CHAB

☐

D-MATH

☐

D-PHYS

☐

D-ERDW

☐

D-HEST

☐

D-USYS

☐

D-MTEC

☐

D-GESS

☐

What is your main **Eawag affiliation?** *

☐

ECO - Aquatic Ecology

☐

SIAM - Systems Analysis, Integrated Assessment and Modelling

☐

FishEC - Fish Ecology and Evolution

☐

UCHEM - Environmental Chemistry

☐

SURF - Surface Waters - Research and Management

☐

UMIK - Environmental Microbiology

☐

SWW - Urban Water Management

☐

ESS - Environmental Social Sciences

☐

ENG - Process Engineering

☐

UTOX - Environmental Toxicology

☐

WUT - Water Resources and Drinking Water

☐

SANDEC - Sanitation, Water and Solid Waste for Development

☐

Eawag - **Administration / Support Departments / Other**

☐

Other Eawag affiliation ...

Please, indicate your institutional affiliation *

Please, specify your affiliation *

<input type="radio"/> Bioinformatics Competence Centre (BICC)	<input type="radio"/> Blood Transfusion Unit (CTS)
<input type="radio"/> Electron Microscopy Facility (PME)	<input type="radio"/> Jules Gonin Eye Hospital (HOP)
<input type="radio"/> Metabolomics Research Platform (MRP)	<input type="radio"/> School of Medicine (EM)
<input type="radio"/> Swiss Institute of Bioinformatics (SIB)	<input type="radio"/> Unisanté (UNISANTE)
<input type="radio"/> Other	

A. Storage & Backup

A1. Where do you **store** your research data / code, even temporarily? *

You can select multiple options.

<input type="checkbox"/> Institutional / Faculty / Department servers	<input type="checkbox"/> Other university / External facility servers
<input type="checkbox"/> Laptop / Tablet	<input type="checkbox"/> Desktop Computer / Workstation
<input type="checkbox"/> External HDD / External SSD	<input type="checkbox"/> Cloud (SWITCHdrive, polybox, Google Drive, OneDrive, ...)
<input type="checkbox"/> Code sharing platform (GitHub, GitLab, Bitbucket, ...)	<input type="checkbox"/> (I don't handle any data / code)
<input type="checkbox"/> <input type="text" value="Other storage solution ..."/>	

A2. On which storage solution(s) do you have a collaborative **access** with others to **share data / code**? *

You can select multiple options.

<input type="checkbox"/> Institutional / Faculty / Department servers	<input type="checkbox"/> Other university / External facility servers
<input type="checkbox"/> Laptop / Tablet	<input type="checkbox"/> Desktop Computer / Workstation
<input type="checkbox"/> External HDD / External SSD	<input type="checkbox"/> Cloud (SWITCHdrive, polybox, Google Drive, OneDrive, ...)
<input type="checkbox"/> Code sharing platform (GitHub, GitLab, Bitbucket, ...)	<input type="checkbox"/> (I don't share any data / code)
<input type="checkbox"/> <input type="text" value="Other storage for sharing ..."/>	

A3. Where do you **backup** your research data / code? *

You can select multiple options.

<input type="checkbox"/> Institutional / Faculty / Department servers	<input type="checkbox"/> Other university / External facility servers
<input type="checkbox"/> Laptop / Tablet	<input type="checkbox"/> Desktop Computer / Workstation
<input type="checkbox"/> External HDD / External SSD	<input type="checkbox"/> Cloud (SWITCHdrive, polybox, Google Drive, OneDrive, ...)

☐ Code sharing platform (GitHub, GitLab, Bitbucket, ...)

☐ *(I don't backup any data / code)*

☐ Other backup solution ...

A4. How do you backup your research data/code?

Select the answer that most closely represents your practice.

☐ Automatically only

☐ Automatically and manually

☐ Manually only

☐ *(I don't backup any data / code)*

☐ Other ...

A5. How frequently do you perform backups?

Select the answer that most closely represents your practice.

☐ Continuous / At least every hour

☐ At least daily

☐ At least weekly

☐ At least monthly

☐ At least yearly

☐ *(I don't backup any data / code)*

☐ Other ...

B. Organization & Documentation

B1. Which kind of **documentation** do you produce to accompany your data / code? *

You can select multiple options.

<input type="checkbox"/> DMP (Data Management Plan)	<input type="checkbox"/> README file(s)
<input type="checkbox"/> Parameter / Input file(s)	<input type="checkbox"/> Log / Debugging file(s)
<input type="checkbox"/> Protocol(s)	<input type="checkbox"/> Codebook / Controlled vocabulary
<input type="checkbox"/> JupiterLab Notebook / Other data processing scripts	<input type="checkbox"/> Paper notebook
<input type="checkbox"/> Wiki / Knowledge base	<input type="checkbox"/> Templates / Example files
<input type="checkbox"/> <i>(I don't document my data / code)</i>	<input type="checkbox"/> Other ...

B2. How do you manage **versions** of your data / code? *

You can select multiple options.

<input type="checkbox"/> Manually change file / folder name (ex. date, version number, ...)	<input type="checkbox"/> Built into specific software (ex. ELN, LIMS, ...)
<input type="checkbox"/> Built into storage / sharing / backup solution (ex. cloud change track, sequential snapshots, ...)	<input type="checkbox"/> Git (or Git-based platform)
<input type="checkbox"/> Subversion (or Subversion-based platform)	<input type="checkbox"/> Mercurial (or Mercurial-based platform)
<input type="checkbox"/> <i>(I don't know)</i>	<input type="checkbox"/> Other ...

B3. Do you follow a **naming convention** for files / folders? *

Select the answer that most closely represents your rules for naming. For a database, consider any guidelines for naming tables, columns, indexes, etc.

<input type="radio"/> Yes , a common convention, with coworkers / collaborators	<input type="radio"/> Yes , as personal convention, not used by others
<input type="radio"/> Yes , a standard convention used by many researchers in my field	<input type="radio"/> Partially , a common convention, with coworkers / collaborators

☐ **Partially**, as **personal** convention, not used by others

☐ **No**, I don't follow any naming convention

☐ Other ...

B4. Do you **know any metadata standards? ***

☐ Yes

☐ No

☐ *(I don't know what metadata standards are)*

B5. Do you **use any metadata standards? ***

☐ Yes

☐ No

B6. Please, indicate the **exact name of your metadata standard(s)?**

C. Formats & Software

C1. Do you use / produce **open format** files or **open source** code / software? *

For each row, select the answer that most closely represents your practice. *Don't know* may indicate that you are unaware of what open means, or that you don't know how to categorize your formats / software.

	All open	Mostly open	Mostly proprietary	Only proprietary	(Doesn't apply to me)	(Don't know)
Use formats	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Produce formats	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use code / software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Produce code / software	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

C2. What type of **software** / **platform** do you use while working with data / code? *

You can select multiple options.

<input type="checkbox"/> RSpace, SLIMS, openBIS, eln.epfl.ch, or other ELN or LIMS	<input type="checkbox"/> VisualStudio, PyDev, RStudio, or other IDE
<input type="checkbox"/> RedCap, Qualtrics, Google Forms, or other surveying platform	<input type="checkbox"/> GitHub, GitLab, Bitbucket, or other code sharing platform
<input type="checkbox"/> OpenRefine, DataWrangler, Trifacta, or other tools for data cleaning or preprocessing	<input type="checkbox"/> Matlab, Octave, Jupyter Notebooks, or other computing environment
<input type="checkbox"/> Microsoft Excel, Google Sheet, LibreOffice Calc, or other spreadsheet software	<input type="checkbox"/> Amnesia, μ -Argus, ARX, or other data anonymization tool
<input type="checkbox"/> MySQL, Azure SQL, Oracle RDBMS, or other database software or system	<input type="checkbox"/> Slurm, LSF, Kubernetes, or other Computational Resource Management or Scheduling tool
<input type="checkbox"/> Other ...	<input type="checkbox"/> Origin, Tableau, Gnuplot , or other graph plotting and data visualization software
	<input type="checkbox"/> Software or tool developed in-house with python, C, javascript, R, or other programming language

C3. Do you use / need a specific tool for writing DMPs (Data Management Plans)? *

Ex. of such tools are: DMPonline, Argos, DS Wizard, DMP Opidor, ...

<input type="radio"/> (No need of writing a DMP)	<input type="radio"/> I use / need one of these tools
<input type="radio"/> I need more than a word processor, but I don't know these tools	<input type="radio"/> A word processor can fulfil my needs
	<input type="radio"/> Other ...

D. Governance & Compliance

D1. With whom do you share your research data / code? *

You can select multiple options.

<input type="checkbox"/> Only someone of my research group / coworkers	<input type="checkbox"/> My entire research group / coworkers
<input type="checkbox"/> Other partners / collaborators in my institution	<input type="checkbox"/> Academic partners / collaborators in other institution(s)
<input type="checkbox"/> Industrial / Commercial partners / collaborators	<input type="checkbox"/> (I don't share any data / code)
<input type="checkbox"/> <input type="text" value="Other ..."/>	

D2. What is your role? *

Select your role or status that is closer.

<input type="radio"/> Bachelor / Master student	<input type="radio"/> Doctoral student / Doctoral assistant
<input type="radio"/> Scientific Collaborator / Postdoc Researcher	<input type="radio"/> Professor (ex. Tenure Track / Adjunct / Visiting / MER / Associate / Full / Emeritus) / Lecturer
<input type="radio"/> Data Manager / Data Scientist	<input type="radio"/> IT / Other technical staff
<input type="radio"/> Administrative staff / Higher management	<input type="radio"/> <input type="text" value="Other ..."/>

D3. In average, how many hours of work do you put every week into managing data / code? (Estimate) *

Consider all work done to collect, generate, process, analyse, document, share, curate, archive, etc. your data or code.

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D4. Who sets for you the rules for managing your data / code? *

Select the answer that most closely represents your practice.

<input type="radio"/> (No rules are implemented)	<input type="radio"/> Myself
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☐ **Principal Investigator** (PI) / Supervisor

☐ **Data manager** of group / unit / consortium

☐ **External academic collaborator** (in other research group or other university, hospital, ...)

☐ **External facility** / Commercial partner

☐ No particular person, I follow the **historical conventions** of my group / unit / consortium

☐ **Institution** via guidelines / policy

☐ *(Don't know / Not sure)*

☐ Other ...

D5. Do you work with **personal / sensitive data? And has your project undergone an official **ethics review**? ***

Select the answer that most closely represents your practice.

☐ **Yes.** Project in ethics review process or approved

☐ **Yes.** Unsure if ongoing project underwent an ethics review

☐ **Yes.** But not requesting any ethics review

☐ **Not yet.** Will need an ethics review in the future

☐ **Unsure** if my project / work needs an ethics review

☐ *(No personal / sensitive data)*

☐ Other ...

E. Publication & Preservation

E1. Where do you **publish / disseminate** your data / code (or plan to)? *

You can select multiple options.

<input type="checkbox"/> <i>(Unsure where, but I plan to)</i>	<input type="checkbox"/> Institutional / Faculty server or webpage
<input type="checkbox"/> Data repository (ex. DaSCH, EnviDat, ERIC, ETH Research Collection, MaterialsCloud, SWISSUBase, Yareta, Zenodo,)	<input type="checkbox"/> Data / Code journal (ex. Data in Brief, JOSS, ...)
	<input type="checkbox"/> Publisher's platform (ex. supplementary material)
<input type="checkbox"/> Public database / databank (ex. Genbank, RECIFS, ...)	<input type="checkbox"/> Code sharing platform (ex. Bitbucket, GitHub, GitLab, ...)
<input type="checkbox"/> Data archive (ex. ACOUA, DaSCH, ETH Data Archive, OLOS, SWISSUBase, ...)	<input type="checkbox"/> <i>(Never done and not going to)</i>
	<input type="checkbox"/> Other ...

E2. Under what **license(s)** do you publish / disseminate your data / code (or plan to)? *

You can select multiple options.

<input type="checkbox"/> CC0 (Creative Commons Universal)	<input type="checkbox"/> CC-BY (Creative Commons Attribution)
<input type="checkbox"/> CC-BY-NC (Creative Commons Attribution-NonCommercial)	<input type="checkbox"/> ODC-By (Open Data Commons Attribution)
<input type="checkbox"/> BSD (Berkeley Software Distribution)	<input type="checkbox"/> MIT License
<input type="checkbox"/> GPL / LGPL (GNU / Lesser General Public License)	<input type="checkbox"/> <i>(Don't know what licenses are)</i>
<input type="checkbox"/> Other ...	

E3. Where do you **archive / preserve** your data / code for the long-term (or plan to)? *

You can select multiple options.

<input type="checkbox"/> <i>(Unsure where, but I plan to)</i>	<input type="checkbox"/> Institutional / Faculty server or webpage
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☐**Data repository**

(ex. DaSCH, EnviDat, ERIC, ETH Research Collection, MaterialsCloud, SWISSUbase, Yareta, Zenodo,)

☐**Data / Code journal**

(ex. Data in Brief, JOSS, ...)

☐**Publisher's platform**

(ex. supplementary material)

☐**Public database / databank**

(ex. Genbank, RECIFS, ...)

☐**Code sharing platform**

(ex. Bitbucket, GitHub, GitLab, ...)

☐**Data archive**

(ex. ACOUA, DaSCH, ETH Data Archive, OLOS, SWISSUbase, ...)

☐

(Never done and not going to)

☐

Other ...

F. Support & Training

F1. Which EPFL service / support have you consulted for these various data / code management topics? *

	<i>(No need / Nobody)</i>	Library RDM team	EPFL Data Champions	Research Office (ReO)	Technology Transfer Officer (TTO)	Data Protection Officer (DPO)	Central / Faculty IT	<i>(My colleagues)</i>
Data Management Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publish data / code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Survey / Form platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anonymize / Data masking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Budget data management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Organize / Document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code sharing / versioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Licenses / Copyright	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metadata / Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Store / Backup	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Archiving / Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

F1. Which service / support have you consulted for these various data / code management topics? *

	<i>(No need / Nobody)</i>	Library RDM team	Data Champions	Research Office (ReO)	Technology Transfer Officer (TTO)	Data Protection Officer (DPO)	Central / Faculty IT	<i>(My colleagues)</i>
Data Management Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publish data / code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Survey / Form platforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anonymize / Data masking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Budget data management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Organize / Document	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code sharing / versioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Licenses / Copyright	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metadata / Standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Store / Backup	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Archiving / Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

F1. Which **ETHZ service / support have you consulted for these various data / code management topics? ***

	ETH Library RD M support team	Scientific IT Services	ETH Office of Research	ETH transfer	ETH Legal Office	Central / Faculty IT	Data Stewardshi p Network at ETH Zurich	<i>(My colleagues)</i>
<i>(No need / Nobody)</i>								

[illegible]

F1. Which **service / support have you consulted for these various data / code management topics? ***

[illegible]

F1. Which **service / support have you consulted for these various data / code management topics? ***

[illegible]

Archiving /
Preservation

☐☐☐☐☐☐☐☐☐

F2. What **type of support** are you most receptive to? *

Select maximum 3 options.

<input type="checkbox"/> On-site training	<input type="checkbox"/> Remote training
<input type="checkbox"/> e-Learning training platform	<input type="checkbox"/> Webpage / Online documentation
<input type="checkbox"/> Remote consulting by email	<input type="checkbox"/> Remote consulting by video conference
<input type="checkbox"/> In-person 1-to-1 consulting	<input type="checkbox"/> In-person group / lab consulting
<input type="checkbox"/> Infopoint / Physical help desk	<input type="checkbox"/> Other ...

F3. Please, share with us your **suggestions** for RDM support or training