HUMAN RESOURCES STRATEGY FOR RESEARCHERS (HRS4R)

AWARD RENEWAL Phase 2023-2026

Institute of Chemical Research of Catalonia (ICIQ)





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1. ICIQ overview

The Institute of Chemical research of Catalonia (hereinafter ICIQ) is a public foundation devoted to research in the field of chemistry. The foundation was created in 2000 by the Catalan Government and started its activities in 2004.

Since its creation, ICIQ has aimed to become an internationally recognized leading institution in the field of chemistry, committed to performing ground-breaking research. Moreover, ICIQ is committed to transfer knowledge and technology to pharmaceutical and energy industries. Finally, ICIQ is fully committed to training the next generation of scientists with the necessary skills and knowledge for tackling future challenges in chemical research.

ICIQ's mission is to lead, from the vantage point of molecular science, cross-strategies to solve major social and economic challenges, thereby contributing to the establishment of a knowledge-based economy and improving citizens' quality of life.

ICIQ performs top quality research in two main areas: catalysis and renewable energies. Activities in the catalysis area cover all aspects of this fundamental discipline: homogeneous, heterogeneous and enantioselective catalysis, organocatalysis, photocatalysis, supramolecular catalysis, the development of new ligands and catalysts and innovative catalytic processes, the elucidation of catalytic mechanisms and the design and simulation of catalytic reactors.

The research in the field of renewable energies focuses on the generation of hydrogen from water through sustainable processes, the development of more efficient photovoltaic devices and the conversion of CO_2 into liquid fuels and feedstock for the chemical industry.

ICIQ has been awarded the Severo Ochoa Center of Excellence Accreditation for the 2014-2018 and 2020-2024 periods. This award, promoted by the Government of Spain, recognizes excellence at the highest international level in terms of research, human resources, training, technology transfer, and international leadership.

Furthermore, ICIQ is part of CERCA Institute (Research Centres of Catalonia) and also is one of the seven Catalon research centres of excellence of The Barcelona Institute of Science and Technology (BIST), the leading institution of multidisciplinary research in Catalonia.

ICIQ provides an excellent research environment and culture that attracts the best talent worldwide, which contributes to achieving outstanding results in our research lines.

For further information please visit: http://www.iciq.org

2. Human Resources Strategy for Researchers (HRS4R)

Introduction

ICIQ is fully committed to the principles of the <u>European Charter for Researchers</u> and the <u>Code of Conduct for the recruitment of Researchers</u>. In February 2011, ICIQ signed the Declaration of Commitment to the Charter & Code, and since then has been implementing actions in this direction to better comply with these principles.

In August 2017, ICIQ was awarded the HR Excellence in Research stamp by the European Commission. Following the guidelines issued by the European Commission, ICIQ performed an internal gap analysis comparing the existing institutional rules and practices with the 40 principles of the Charter & Code. From this internal gap analysis, an Action Plan was designed with the aim of bridging the main gaps between ICIQ practices and Charter & Code principles. Both, the Internal Analysis and the Action Plan were drawn up considering the contributions of all ICIQ employees, especially scientific staff. The process was led by the ICIQ Human Resources Unit, through its manager, together with the ICIQ Social Involvement Committee (hereinafter SIC). The SIC was an ICIQ working group composed of 10 representatives from all ICIQ staff, both scientists and non-scientists. It had two representatives for each one of the five personnel areas: research group leaders, postdoctoral researchers, predoctoral researchers, research support technicians, and administrative staff. The SIC disappeared in November 2018 when the ICIQ Workers' Committee came into being.

During the year 2019, a new working group was created in order to monitor the HRS4R plan. This working group has been responsible for the Internal Review of the HRS4R and the creation of the Action Plan 2020-2023.

The internal review was undertaken using the following approaches: a survey of the entire ICIQ community, a focus group and meetings with the Administrative Director. As a result of this review process, we generated an Action Plan consisting of 16 actions to be implemented from 2020 to 2023.

ICIQ truly believes that obtaining the HRS4R award strongly contributes to providing an excellent research environment that attracts the best researchers worldwide to the Institute. ICIQ will face the renewal phase and has elaborate a new Action Plan for the 2023-2026 period.

3. Preparation of the HRS4R Action Plan 2023-2026

Gap analysis

The coordination of the renewal phase was orchestrated by the People Unit in collaboration with the rest of the Monitoring and Working Committee, and with the ICIQ Management approval.

The main objective of this process was identifying the Gap Analyses and formulating the new Action Plan for the coming years. The overall process adhered to a highly participatory approach in line with the philosophy of the Human Resources Strategy for Researchers (HRS4R). The entire ICIQ community, including research and administrative staff, was invited to contribute, with particular emphasis on the involvement of the research community and counting with the engagement of the Administrative Director.

The Monitoring and Working Committee was renewed in 2023. The composition of the new Monitoring and Working Committee reflects the institutional representation, with a particular focus on adequately representing the Research area. The participants

encompassed a diverse and inclusive array of roles: PhD, Postdoctoral researchers, Group Scientific Coordinator, Group Leader (GL), Core facilities technicians, Management staff and members of the Works Council. The gender distribution within the Monitoring and Working Committee, in terms of gender balance comprising seven female and three male members.

In the preliminary phase, a comprehensive survey was disseminated to the entire community. This internal survey consisted of 52 questions, covering the four dimensions: Ethics, Recruitment, Working Conditions and Training and Development. The survey collected responses from a broad range of staff, with 109 participants, 74% of whom were from the Research Area. The survey, conducted via Google Forms, used a variety of question formats, including open-ended questions, rating scales and dichotomous questions. Respondents were granted anonymity, with the option to refrain from answering questions that were not applicable to their specific circumstances, ensuring that the entire ICIQ community was included and that responses were representative. The Monitoring and Working Committee invited management to participate in the survey, but for the analysis of the results it was decided to do three analyses: the whole community, researchers and management.

In addition, we facilitated a Focus Group, orchestrated and guided by the Working Group. This collaborative session brought together staff in a variety of professional roles at ICIQ, with a notable concentration from the Research Area (86% of staff was from Research), including PhD, Postdoctoral researchers, GL's and also some representation of the KTT area. In addition, there were 3 people from the management area. The focus group had a total of 21 participants, all of whom actively participated in the discussions throughout the session, delving into the nuances of the four pillars. Each pillar was effectively facilitated by two members of the Monitoring and Working Committee.

The steps of the process were:

- 1. The Monitoring and Working Committee underwent a complete renewal, with all new members voluntarily joining in 2023.
- 2. The objectives, the methodology, and the main roles and responsibilities were discussed within the Monitoring and Working Committee.
- 3. A kick-off event took place with a communication email sent to all the ICIQ Community to inform them about the significance of the award and the importance of participation, with special emphasis to the Research Community.
- 4. The Internal Survey was launched, marked by an active dissemination campaign employing various channels such as mailing, newsletters, and posters to encourage widespread participation.
- Working session with the Monitoring and Working Committee to analyze the results of the survey, the report written by EC Assessors in August 2020, and to prepare the Focus Group.
- 6. A Focus Groups was organized.
- Working session with the Monitoring and Working Committee to analyses the results
 of the focus group and the internal survey to dissect the outcomes of both the Focus
 Group and the internal survey.

The OTM-R checklist was reviewed and update in parallel with the support of the Recruitment Selection Commission. The Commission is formed by two members of the Working session with the Monitoring and Working Committee and the Talent Officer and People Manager.

At the end of the Gap Analysis process, the Action Plan for the next 3 years was agreed by the Monitoring and Working Committee an approve by the ICIQ Management.

The new Action Plan 2023-2026 will give emphasis to the development of the following aspects:

- **Ethics**: Open Science and ongoing improvement of Good Practices in Research as it is part of values.
- Recruitment and Selection: Concrete guidelines about the selection criteria for PhD and postdoctoral researchers and the systematic use of E-recruitment tool. Increase attraction to recruit the best talent and improve candidate experience.
- Working conditions. Continuous improvement of the research environment by fostering a supportive, respectful, equitable, inclusive, stimulating and a safe environment, through greater integration of the preventive mindset at every organizational level. At the same time, our goal is to further enhance the well-being of our employees.
- **Training:** Career development for our researchers and professional growth through mentoring for PhDs and others development programs for Research.

4. Implementation of the actions

The coordination of the implementation and monitorization will be orchestrated by the People Unit in collaboration with the Monitoring and Working Committee and with the follow up of the ICIQ Management.

The HRS4R Monitoring and Working Committee will convene triannual meetings to assess the execution of prescribed initiatives, revise the indicators of success and introduce modifications in the Action Plan if necessary.

Each action specifies the Unit or individuals responsible for its implementation, and we have established indicators aligned with the SMARTS criteria.

The Action Plan has indicators and deliverables and a responsible of the action.

- Indicators and deliverables: The Action Plan proposes detailed actions, indicators and deliverables supported by a consistent schedule. If any room for improvement is found during the monitoring, the Action Plan will be updated accordingly.
- Responsible: Each action has been assigned to one or several members of the institution.

A new commission on OTM-R will meet once a year (Q4) to analyse the progress of the OTM-R implementation based on KPIs.

Since the process emphasizes continuous improvement, deviations from the proposed plan may occur as part of the ongoing improvement process, also other interesting feedback coming from other accreditations of excellence will be considered to add other actions or redefined them.

5. Action Plan

Based on the results of the focus groups, the survey together with the HRS4R Monitoring and Working Committee, and the approval of the ICIQ Management, the following Action Plan has been defined to be implemented during the period 2023-2026. The actions have been organised according to the four areas of HRS4R: a.- Ethical and Professional Aspects; b.- Recruitment; c.-Working Conditions and Social Security; d.- Training). The Action Plan has been approved by ICIQ Management, and consequently has the Institutional support necessary for its implementation.

Action plan

N° ▼	Title of the action ▼	Status	C&C Principle ▼	Indicator	Planned timetable ▼	Lead 🔻		
	Ethical and Professional Aspects							
1	Increase awarness on Research Integrity throughout the reserch community.	In progress	2 Ethical principles 4 Professional attitude 38 Continuing Professional Development	List of Dissemination actions such as: - Including the Research Integrity policy in the Job Offer Mantain a link to the policy in the Welcome Pack Number of documents signed as the new employees have read and understood the policy.	From Q2 2024	ICIQ Director and Research Integrity Committee		
2	Additional course in research integrity and good scientific practice for Postdocs based on real-life examples and give continuity to the mandatory course of Research Integrity for PhD's.	New	2 Ethical Principle 4 Professional Attitude 38 Continuing Professional Development	Program base on real-life cases. Number of Research Integrity training sessions delivered to Postdocs. Training on Research Integrity for PhD students included in the PhD Training Programme. Number of participants in Research Integrity sessions, PhD students and Postdocs.	From Q4 2024	Research Integrity Committee & People Unit		
3	Creation, Dissemination and Implementation of an institutional Open Science policy	New	3 Professional responsibility 7 Good practice in research 8 Dissemination, exploitation of results	-Create the Guidelines or Policy. -Training and Dissemination actions.	From Q2 2024	ICIQ Director/Research Projects & International Collaborations Unit & Working Group Open Science		
4	Increase awarness on the equality plan 2024- 2027 within ICIQ staff	New	10 Non discrimination 24 Working conditions 27 Gender balance	- Number of dissemination actions performed by the Equality Commission to promote women in Science within the ICIQ Comunity Inform staff through the intranet on the committees available at ICIQ as well as their main objectives and role Documentation and dissemination of the new plan Report on the specific actions implemented (newsletter).	From Q2 2024	People Unit & Gender Equality commission		
5	Increase awarness on diversity within the ICIQ community	New	7. Good practice in research 10. Non discrimination	Organize at least 2 events on diversity at ICIQ Number of training actions on diversity. Number of attendes to the training (s).	From Q2 2024	Communication & Working group		
6	Incresse awarness on the HRS4R within the ICIQ community	New	Professional attitude Good practice in research	- Regulary inform GL's on the progress made on the HRS4R actions (meetings or newsletter)	From Q2 2024	ICIQ Direction & Communication		
	Recruitment		40 Ditt					
7	Review the recruitment procedure to adapt it to OTM-R Recruitment policy: -Train Group Leaders and Hiring Managers in the recruitment and selection process and ensure they follow the established interview guidelinesEnsure that everyone uses the main functionalities of the E-recruitment tool.	In progress	12 Recruitment 13 Recruitment (Code) 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 21 Post-doctoral appointments (Code) 27 Gender balance	Review the recruitment procedure to adapt it to OTM-R Recruitment policy: - Train Group Leaders and Hiring Managers in the recruitment and selection process and ensure they follow the established interview guidelines. - Ensure that everyone uses the main functionalities of the E-recruitment tool.	From Q2 2024	People Unit		

	Action plan							
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2	Additional course in research integrity and good scientific practice for Postdocs based on real-life examples and give continuity to the mandatory course of Research Integrity for PhD's.	New	2 Ethical Principle 4 Professional Attitude 38 Continuing Professional Development	Program base on real-life cases. Number of Research Integrity training sessions delivered to Postdocs. Training on Research Integrity for PhD students included in the PhD Training Programme. Number of participants in Research Integrity sessions, PhD students and Postdocs.	From Q4 2024	Research Integrity Committee & People Unit		
3	Creation, Dissemination and Implementation of an institutional Open Science policy	New	3 Professional responsibility 7 Good practice in research 8 Dissemination, exploitation of results	-Create the Guidelines or Policy. -Training and Dissemination actions.	From Q2 2024	ICIQ Director/Research Projects & International Collaborations Unit & Working Group Open Science		
4	Increase awarness on the equality plan 2024- 2027 within ICIQ staff	New	10 Non discrimination 24 Working conditions 27 Gender balance	- Number of dissemination actions performed by the Equality Commission to promote women in Science within the ICIQ Comunity Inform staff through the intranet on the committees available at ICIQ as well as their main objectives and role Documentation and dissemination of the new plan Report on the specific actions implemented (newsletter).	From Q2 2024	People Unit & Gender Equality commission		
5	Increase awarness on diversity within the ICIQ community	New	7. Good practice in research 10. Non discrimination	Organize at least 2 events on diversity at ICIQ Number of training actions on diversity. Number of attendes to the training (s).	From Q2 2024	Communication & Working group		
6	Incresse awarness on the HRS4R within the ICIQ community Recruitment	New	Professional attitude Good practice in research	- Regulary inform GL's on the progress made on the HRS4R actions (meetings or newsletter)	From Q2 2024	ICIQ Direction & Communication		
7	Review the recruitment procedure to adapt it to OTM-R Recruitment policy: -Train Group Leaders and Hiring Managers in the recruitment and selection process and ensure they follow the established interview guidelinesEnsure that everyone uses the main functionalities of the E-recruitment tool.	In progress	12 Recruitment 13 Recruitment (Code) 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 21 Post-doctoral appointments (Code) 27 Gender balance	Review the recruitment procedure to adapt it to OTM-R Recruitment policy: - Train Group Leaders and Hiring Managers in the recruitment and selection process and ensure they follow the established interview guidelines. - Ensure that everyone uses the main functionalities of the E-recruitment tool.	From Q2 2024	People Unit		

	Action plan							
N° -	Title of the action ▼	Status	C&C Principle ▼	Indicator	Planned timetable ▼	Lead		
8	Ethical and Professional Aspects Improve candidate experience: - Facilitate candidate accessibility to ICIQ's Career Portal (this is a way of being more transparent and also helps to attract the best talent)Offer candidates during the recruitment phase the opportunity to contact research group members and obtain first hand information on the institution and the groupImprove the induction process by providing the candidate with an action plan (next steps) of the incorporation process, thus, providing support to the candidate every step of the way.	New	13 Recruitment 13 Recruitment (Code) 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 21 Post-doctoral appointments (Code)	- Create a list of actions to improve the candidate experience on the recruitment proces on the E-recruitment tool Create a document to give to the new employee with the steps he/she should follow till incorporation Facilitate information to contact with other members of the group - Include information on the Job Offer regarding the composition of the Committee and information about the salary Create the role of the Buddy to improve induction process and reduce the learning curve.	From Q4 2024	People Unit & Working group		
9	Provide training/guidelines to people who participate in selection and hiring processes from an equality, diversity and inclusion perspective with the purpose of eliminating stereotypes and biases.	New	27 Gender balance 12 Recruitment 13 Recruitment (Code) 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 21 Post-doctoral appointments (Code)	- Number of trainings on gender bias to hiring managers 75% of hiring managers attend the trainings Create a guideline about recruitment and bias.	From Q2 2024	People Unit & Gender Equality commission		
10	Develop precise guidelines for ICIQ regarding the recruitment of Postdoc researchers, incorporating the selection criteria to be taken into account throughout the process and that incorporate the principles of the Charter & Code.	Extended	27 Gender halance 12 Recruitment 13 Recruitment (Code) 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 27 Gender balance	- Guideline approved by Academic committee. - Number of Hiring managers familiar with the document.	From Q2 2024	People Unit		
11	Develop precise guidelines for ICIQ regarding the recruitment of PhD researchers, incorporating the selection criteria to be taken into account throughout the process and that incorporate the principles of the Charter & Code.	Extended	12 Recruitment 13 Recruitment 13 Recruitment 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 21 Post-doctoral appointments (Code) 27 Gender balance	- Guidelines approved by Academic committee. - Number of Hiring managers familiar with the document.	From Q2 2024	People Unit		

	Action plan							
N° ▼	Title of the action	Status -	C&C Principle ▼	Indicator ▼	Planned timetable ▼	Lead		
12	Create a communication plan to attract talent increasing social media exposure.	New	12 Recruitment 13 Recruitment (Code) 14 Selection (Code) 15 Transparency (Code) 16 Assessing merits (Code) 17 Variations in the chronological order of CVs (Code) 18 Recognition of mobility experience (Code) 19 Recognition of qualifications (Code) 20 Seniority (Code) 21 Post-doctoral appointments (Code) 27 Gender balance	- Number of videos to give a voice to our employees in order to attract talent. - Number of new channels explored to reach more audience.	From 2024	Communications Department & People Unit		
	Working conditions and social security			- Existence of a Safety Coordinator in each laboratory.				
12	Deploy actions for a greater integration of the preventive culture at all levels of the organisation.	New	23 Research environment	- Number of safety inspections in research laboratories Number of sanctions resulting from non-compliance with safety regulations Number of annual sessions on First Aid and Fire Fighting for new Safety Coordinators and refreshed every 5 years Number of actions taken by Safety Coordinators to raise awareness of safety issues among teams and GLs.	From Q2 2024	SHEQ Unit & Safety Coordination		
13	Wellbeing & Mental Health Programme with local resources improving the support of Mental Health and adopt Physical wellbeing measures aswell as work-life balance	In progress	24 (Working conditions)	- Programme approved by ICIQ Direction with local resources Number of actions done related to the psychosocial risk assessment - Number of people participating in actions Climate Survey every yearly to evaluate the advance on the program	From Q2 2024	SHEQ Unit & People Unit & Work Council & ICIQ Direction		
14	Develop a protocol for conflict resolution and dissemination in all the ICIQ Community	in progress	10 Non discrimination 34 Complaints / Appeals 36 Relationship with supervisors	- Publish the new protocol for the prevention, detection and management of conflict, unacceptable behaviour and bullying Number of people familiar with the document - Number of training sessions on conflict resolution for managers - Number of reference personnel identified in the Conflict Resolution Protocol Number of training for the reference personnel.	From Q1 2024	SHEQ Unit & People Unit & Working group		
15	Improve the dissemination of internal policies and procedures by enhancing internal communication and the renovation of the current Intranet in order to increase awareness of the different policies. To become acquainted with the different committees	New	23. Research enviroment 24. Working conditions 27. Gender Balance 34. Complains/appeals	- New intranet available Number of different policies uploaded on the intranet List of committees with main responsabilities and contact informacion very accesible.	From Q3 2025	ICIQ Direction & International Chair for Academic Program.		
16	Launch of a program fostering female talent in LATAM, specially designed to create opportunities for a more equitable and inclusive future.	New	27. Gender Balance	- Launch the program Number of female new incorpporations due to the program	From Q2 2024	Communications & ICIQ Direction		

	Action plan							
N° ▼	Title of the action	Status -	C&C Principle ▼	Indicator v	Planned timetable	Lead 🔻		
17	Develop a new in-house Mentoring Program to develop leadership skills for Postdocs (as mentors) and develop mentees in their professional growth (PhD students)	New	28 Career development 38 Continuing Professional Development 39 Access to research training and continuous development 40 Supervision	Mentoring Programme defined and implemented (In-house program). Young researchers (mentee) are appointed with senior ones's. - Create a guide for mentors. - Create a guide for mentees. - Conduct a training session for both mentors and mentees. - Start with a pilot of 15 or 16 matches.	From Q2 2024	People Unit & Academic Committe & ICIQ Direction		
18	Create and Design a Training Policy to disseminate to the ICIQ's community.		28 Career development 38 Continuing Professional Development 39 Access to research training and continuous development 40 Supervision	- Implementation of the policy Actions to disseminate the policy 80% of staff knows the policy well (climate survey feedback) Calendar of trainings/open trainings more visible for staff.	From Q2 2024	People Unit & Direction of the center		
19	Consolidate the SHARP Phd Training Programme, a training itinerary that covers the different needs of pre-doctoral students for the 4 years duration of the PhD after first edition.		28 Career development 30 Access to career advice 38 Continuing Professional Development 39 Access to research training and continuous development 40 Supervision	- Obtain feedback from the PhD's and from the suppliers to improve and consolidate the program. Program should include: - Ensure the training includes the development of skills needed for PhD students at ICIQ. - Ensure the training includes information regarding our main policies. - Assure that includes a module of careers paths	From Q1 2024	Communications & Academic Committee & People Unit		
20	Create a Postdocs Training Programme		28 Career development 30 Access to career advice 38 Continuing Professional Development 39 Access to research training and continuous development 40 Supervision	- Create the program - After first edition, obtain feedback from the Postdocs and from the suppliers to improve and consolidate the program. Program should include: - Ensure that the training includes the development of skills needed for the Postdocs Ensure that includes information regarding our main policies Ensure that includes a module of careers paths	From Q1 2025	Communications & Academic Committee & People Unit		
21	Create a pilot of open training online repository at the intranet with training resources.	New	28 Career development 38 Continuing Professional Development 39 Access to research training and continuous development	- Number of resources online. - Number of employees who use those resources online.	From Q3 2025	Communication & Working group		