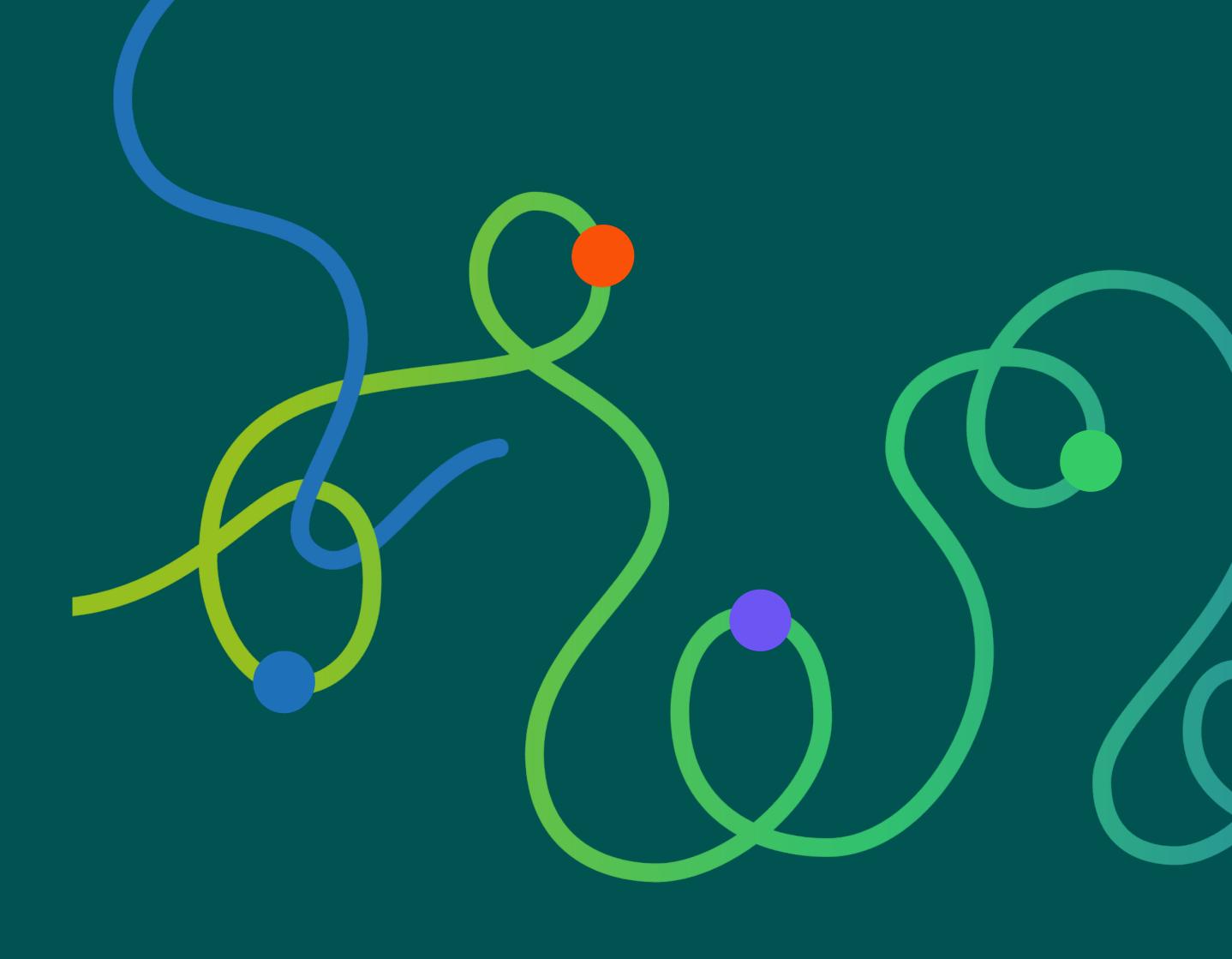
Integrated Human Rights Impact

Assessment & Reflection Tool for *AI Systems*

A comprehensive tool combining formal assessment with ongoing reflection throughout the Al lifecycle





<AI & Equality> Human Rights Toolbox
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About this tool

This integrated Human Rights Impact Assessment (HRIA) tool combines two essential approaches for responsible AI development:

Ongoing Reflection Tool:

Use the stage-specific reflection questions throughout development for team discussions, planning meetings, and design sprints. These prompts help internalize rights-based thinking and ensure human rights considerations "become relevant at each stage" rather than as an afterthought.

Formal Assessment Documentation:

Complete the structured assessment sections for official documentation, regulatory compliance (like EU Al Act requirements), and accountability. This creates a permanent record of your human rights due diligence process.

Three ways to use this tool:



Progressive Development Approach

- Work through each stage sequentially as you develop your Al system.
- Use reflection questions for team discussions and critical thinking sessions.
- Fill out formal assessment sections at the end of each stage.
- Build up a comprehensive HRIA document over time.



Milestone-Based Assessment

- Use reflection questions for ongoing team check-ins and planning.
- Complete formal assessment sections at key project gates (design review, predeployment, etc).
- Conduct comprehensive reviews at major milestones.



Comprehensive Evaluation

- Complete the entire tool at specific points (predevelopment, pre-deployment, annually).
- Ideal for compliance requirements or external audits.
- Can be used retroactively to assess existing systems.



Key Principles

Keep it Simple

The tool uses plain language accessible to teams without legal expertise.

Make it Participatory

Always involve affected communities - they are the experts in their own context.

Document Everything

Record decisions, rationale, and changes to enable accountability and learning.

Stay Flexible

The Al lifecycle is iterative - revisit and update sections as you learn more.

Focus on Action

Every identified risk should have corresponding mitigation measures.

Who Should Use This Tool:

This tool can be adapted for any scale - from small pilot projects to national Al rollouts - and helps fulfill both ethical duties and emerging legal requirements for human rights impact assessments in Al systems.



Academic researchers piloting Al systems in real-world contexts



Development organizations working on AI for social good



Public sector agencies developing or procuring Al systems



Private sector teams committed to responsible Al practices

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NGOs and civil society organizations implementing technology solutions



Project Overview & Context

Fill out the spaces with the relevant information to your project.

Al System/Project Name:	Implementation Context Scale:
	Pilot Regional National International
Date Assessment Started:	Project timeline:
Last updated:	Start date: Full Deployment:
Assessment Team:	Sector:
	☐ Healthcare ☐ Education ☐ Finance ☐ Justice
	Social Services Other:
Project Purpose and Social Goal:	Historical Context & Power Dynamics
What problem is this AI system addressing, and why does it matter for our community? Be clear about both the technical goal AND the human rights/ social goal.	Are there historical biases or power imbalances in this problem area? (e.g., discrimination in policing, credit scoring, healthcare) How will we learn from history to avoid repeating injustices?



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Stage 1: Objective + Team Composition

Reflection Questions for Team Discussion

Use these questions for planning meetings, design sprints, and critical thinking sessions

Purpose and values:

- Have we clearly stated the social or human rights goal (not just the technical goal) of the project, derived in collaboration with affected groups?
- Is an AI system even the best way to address the issue?
 Have we explored alternatives, technical as well as non-technical?

Team Inclusivity:

- Who is involved in defining the project?
- Does our team include diverse perspectives (women, community members, domain experts, affected groups)?
- What key voices are missing, and how will we bring them in?

Community Agreement:

- Have affected communities been consulted and agreed that this AI system is needed?
- Do the most impacted or at-risk groups have the power to stop the project?
- Do they have actual decision-making power, or are we just extracting their input?

Formal Assessment: Stakeholders & Team Composition

Primary Responsible Organization:		Core Developme	nt Team	TIP:	You can also create a spreadsh
		Name	Role	Relevant expertise	Demographic background
Affected Communities and St					
List all groups who will be impacted	by this system.				
Direct Users:	Vulnerable/Marginalized Groups:				
Communities Affected by Decisions:	Key Partners/ Collaborators:				
		Team Diversity A	ssessment		
		Gender divers	sity	Domain/sector expertise	Human rights expertise
Individuals accountable for potential harms:		Cultural/ethni		Lived experience with the problem Social science	h
O				expertise	
Affected communities consuming and involved in design with decision-making power		Relationship of team members: You should pursue of	all four!	Flat hierarchy Close collaboration	Shared language Mutual learning
No consultation yet - planned for:	No consultation planned	Gaps Identified:		Plan to Addı	ress Gaps:
	Red flag, reconsider approach.				



2 Stage 2: **Define System Requirements**

Reflection Questions for Team Discussion

Use these questions for planning meetings, design sprints, and critical thinking sessions

Community Needs:

- Who are the end-users or affected community, and have we asked them what they truly need?
- Are the system's requirements aligned with what these communities value, or are we imposing assumptions?

Participation in Design:

- Who is at the table when deciding features and requirements?
- How did you empower affected people to shape these requirements, especially representatives of at-risk groups?

Fairness & Trade-offs:

- When setting success metrics, did we consider equality measures?
- What other success criteria are we optimising for, e.g. privacy, accountability, interpretability, or transparency?
- Did you allow affected communities to substantially add to and influence this list of success criteria and how they can be fulfilled?
- What trade-offs are we making, and who could be negatively impacted?
- Are we documenting the rationale for these decisions?

Formal Assessment: System Requirements

Core System Requirements	Dev	veloped in dialogue with aff	fected communities	Ecosystem of Values - Managing Trade	e-offs
	erformance equirements:	3 Human Right Requirement		Accuracy vs. Other Values: Are there tensions between accuracy and other necessary metrics/ success criteria in this context?	
				How do you handle these trade-offs?	
Explainability Requirements			Fairness Consid	derations	
Target audiences (including technical and non-technical groups):	What is the goal of exeach target audience?	-	Which fairness me most relevant?		al opportunity
Level Global (how system works generally) In-depth explanations for definitions	ebuggin Accessib	l decisions) le explanations for nical users	For which (protection test these:	rted) attributes do you Rationale/justifications:	cation of fairness-related
Explanations accessible to a non-users to increase transp			Accountability	Structure	
Privacy & Data Protection			Who has oversigh	t?: Human-in-the-loop requirements:	Appeal/contest mechanisms:
Which measures did you take? Minimize data Anonymization required Informed consent Right to deletion	Transparency Commit Open methodology Technical performance	Training data documentation Non-technical success criteria	_	sibilities and timelines for ack pointing to negative acts?	
Data portability Other:	metrics public Regular reporting Public HRIA results	Details on your business model Other:		edback Integration unity needs shaped the ts?	



Stage 3: Data Discovery & Preparation

Reflection Questions for Team Discussion

Use these questions for planning meetings, design sprints, and critical thinking sessions

Representation:

- Who is represented in our data and who is not?
- Does it include different groups that might use or be subject to the AI system?
- If populations are missing, how will we address that?

Source & Consent:

- Where is the data coming from? Is it collected respectfully with informed consent?
- Are there privacy issues or data protection considerations?

Bias Analysis:

- Could the data contain systemic biases or historical prejudice?
- Have we done bias analysis and / or asked domain experts for insights on potential biases?
- What biases have we identified and how will we address them? Think of technical and nontechnical methods!

Quality & Gaps:

- Are there limitations that might affect effectiveness
- Might this contribute to affirming existing power structures?
- How will we deal with this, fill gaps, or adjust expectations?

Formal Assessment: Data Discovery & Preparation

Data Sources & O	rigin	TIP: You ca	ın also create a spreadsheet	Representativeness Ar	nalysis	
Dataset So	urce Original Purpo	ose Consent Status	Sensitivity Level	Demographics Included: Gender: Age groups: Geographic regions:		Ethnic/ cultural groups: Socioeconomic status: Languages: Other relevant categories:
Bias Assessment Historical biases identified in data and or through domain expert involvement:	Bias/ Mitigation			Demographics Underrepresented or Missing:	Impact of gaps:	Mitigation strategy:
	3 Bias/ Mitigation			Data Quality Assessment Quality variations across groups:	ent	Limitations and their implications:
Pre-processing						
Pre-processing steps taken:	Data augmenta underrepresent Bias-aware sampling Other:	ed groups re-w	palancing/ reighting thetic data eration	Privacy & Rights Protect Data minimization app Anonymization/pseudused Consent obtained and	olied Ionymization	Data retention policies defined Right to deletion procedures Cross-border transfer protections



4 Stage 4: Model Development & Selection

Reflection Questions for Team **Discussion**

Use these questions for planning meetings, design sprints, and critical thinking sessions

Model Choice:

- Why have we chosen this type of model/algorithm?
- Is it the right balance between complexity and explainability for the context and its risk-level?
- Can we justify our choice in terms of performance AND values alignment?

Fairness Interventions:

- Are we using techniques to mitigate bias, which ones, and have we documented these appropriately?
- What makes us believe that the model is fair enough?

Explainability & Accessibility:

- How do we ensure that affected groups are aware that AI is used on them?
- What's our plan to make decisions understandable to affected groups?
- How do we ensure that these explanations are appropriate for our audience and context?
- If it's a "black box," what compensatory measures do we have?

Formal Assessment: Model Development & Selection

Model Archit	ecture & Rationale		Fairness & Bias Mit
Model Type Selected:	Linear/Logistic Regression Random Forest Deep Learning Other:	on Decision Tree Neural Network Ensemble	Techniques applied: Pre-processing Data augmentation Re-weighting
Justification for Choice:	Technical reasons:	Non-technical reasons: (explainability, fairness, etc.)	Fairness Metrics Implemented:
Complexity A	ssessment		
Simple, hig	nly interpretable Complex	x but explainable	Intersectionality Cons
Moderately		ox - compensatory es needed	How are we addressing overlapping identities?
Explainability	Implementation Based o	n what you planned at stage 2	Audience-Specific
Methods used implement local explanations (if any):	Teature importance	LIME Example-based (What would change outcome?) Natural language explanations	For which technical and non-technical audience are your explanations intended?
	Visual dashboards Other:	Decision trees	How are your explanations tailored for these different groups?
Methods used implement glol explanations		Natural language explanations	
(if any):	Visual dashboards Other:	Decision trees	Language/accessibility considerations:

Fairness & Bias Mitig	ation		
Techniques applied:			
Pre-processing Data augmentation Re-weighting Synthetic data	In-processing Fairness constraints during training Adversarial debiasing	Post-processing Output adjustment Threshold optimization	No specific techniques: Rationale:
Fairness Metrics Implemented:	Demographic parityEqual opportunityEqualized odds	Individual fairness Counterfactual fairne Other:	ess
Intersectionality Consid	lerations:		
How are we addressing moverlapping identities?	ultiple,		
Audience-Specific A	daptations:	Environmental & Re	esource Impact:
For which technical and non-technical audiences are your explanations intended?		Computational resources required:	
How are your explanations tailored for		Environmental cost assessment:	

Mitigation/offset

measures:



5 Stage 5: **Testing & Validation**

Reflection Questions for Team **Discussion**

Use these questions for planning meetings, design sprints, and critical thinking sessions

Inclusive Testing:

- Who is testing the system? Are we including people beyond customers, e.g. intended users and those impacted?
- What feedback have we gotten and how are we incorporating it?

Performance Across Groups:

- Have we measured performance disaggregated by different subgroups?
- Are there disparities in error rates or outcomes?
- How are we addressing any disparities found?

Meeting Objectives:

- Does the system actually solve the problem we defined initially?
- Are there unintended outcomes? Are we ready to cycle back to earlier stages?
- How do we ensure that all technical and nontechnical success criteria that we defined in stage 2 are met?

Transparency:

- Are we being transparent about limitations and uncertainties?
- Have we documented all known issues and incorporated them in a training manual for system users?

Formal Assessment: Testing & Validation

Testing Methodology		Performance A	nalysis				
Test Datasets: Training data: Validation data:	Test data: Real-world pilot data:	Overall Performance Metrics: Disaggregated Pe	Accuracy: Recall: Other relevant metrics: erformance Analysis:		F1-Score:		
Participants Assessing whether the system meets our success criteria: Technica Intended External a		Performance broken down by relevant demographic/ social groups.	Group Accuracy	Precision	Recall	Error Types	Sample Size
Performance Disparities Identified		User Feedback	& Community Testing	g			
Groups affected: Severity: Minor Moderate Significant Severe Action taken:	Groups affected: Severity: Minor Moderate Significant Severe Action taken:	Feedback Collect Surveys Individual interv Pilot programs Other: Changes Made Boon Feedback:	Focus groups Tiews	0		nemes:	
Objective Achievement Assessment:		Limitations & U	Incertainties				
criteria, and community needs	Does not meet objective - requires significant changes Objective should be reconsidered based on	Known technical limitations:			own bias or fai itations:	rness	
	learning strategy to address any identified gaps before deployment:	Uncertainty in predictions for sp contexts:	pecific	Oth	er limitations:		
Unintended Consequences Identified:			cate these to future syst ected communities:	em			



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Stage 6: Deployment & Post-Deployment Monitoring

Reflection Questions for Team Discussion

Use these questions for planning meetings, design sprints, and critical thinking sessions

Final Pre-Launch Checks:

- Have we conducted a last review of potential harms before deployment including technical and nontechnical assessments?
- Have all high-risk issues been addressed or clearly communicated?
- Who officially signs off, and is this decision informed by diverse reviews?

User Communication & Training:

- Are we informing users that an AI system is in use?
- Are we providing adequate training (e.g. manual) on use and limitations?
- Is there an easy way for system users to ask questions or report issues?

Ongoing Monitoring:

- What's our plan to monitor real-world performance?
- Who will track impacts over time and what will trigger a re-evaluation of the system's value?

Feedback & Recourse:

- How can individuals appeal or correct or interrogate Al decisions?
- How will we continue engaging with affected communitiesy to get their feedback?

Accountability:

- Do we have clear accountability if something goes wrong?
- What is the timeline for this?

Formal Assessment: Deployment Readiness

Have you completed a full HRIA now that the system is finalized?: Important: for system in high-risk domain					
	No, planned for: / /	(following the EU AI Act), we recommend to conduct a more indepth HRIA such as the			
	standing High-Risk Issues: unresolved high-risk human righ	nts issues?			
		113 133463.			
	No outstanding issues	13 133463.			
		risk or appropriate			
	No outstanding issues Issues identified but acceptable	risk or appropriate ented deployment.			

Deployment Approval		
Final Sign-off Authority:		Deployment Conditions:
Primary decision-maker:		All high-risk Mitigation measures in place and
Ethics committee/board approval:	☐ Yes ☐ No ☐ N/A	issues adequately tested (technical and through addressed input from affected communities)
Input from representatives of the most affected communities:	☐ Yes ☐ No ☐ N/A	Monitoring systems Community engagement commitments fulfilled
Input from representatives/ experts in the issues of the most at-risk communities:	☐ Yes ☐ No ☐ N/A	Staff training Legal/regulatory completed requirements met
Regulatory approval (if required):	☐ Yes ☐ No ☐ N/A	Avenues for future community feedback/alerts/complaints in place
User Communication & Trai	nina	
	9	
Transparency Measures:		Training Provided:
Users informed AI system is in use	Clear explanation of system purpose and limitations	Target audience:
Terms of service and privacy policies accessible	Information available in appropriate languages	Training content:
Contact information for questions/issues provided		Training method:
		Training completion rate:



6 Stage 6:

Deployment & Post-Deployment Monitoring (continued)

Formal Assessment: Monitoring & Accountability Framework

Performance Monitoring			Grievance & Remedy Mechanisms	
Quantitative Indicators: Error rates by System usa		aint volumes	How to Report Issues: Contact method:	Review process
demographic group and adoption Response times and availability Other:	on rates and typ	oes	Languages available:	2
Qualitative Indicators:			Response timeline commitment:	3
Satisfaction surveys Community with affected groups themes	feedback Expert finding	assessment s	Remedy Options	Appeal Process:
			System correction Decision reverse Human review Compensation	al Steps for appealing Al decisions
Monitoring Schedule: Continuous monitoring Quarterly	automated Weekly Annually	Monthly After incidents	Apology Process improved	ement
Other:		, and an initial contest	Feedback Integration: How will ongoing feedback inform system updates?	
Review & Update Schedule	Accountability Stru	ucture	inionii dyddoni apaacoo.	
Next system performance review: Next HRIA	Primary Responsible Person:	Oversight Body/ Committee:	Context Change Monitoring: How will we detect changes in social/political context that might affect fairness?	
update:	External Auditor/	Grievance & Remedy	System	
Annual impact report due:	Reviewer:	Mechanisms:	Retirement Criteria: Under what conditions would we take the system offline or retire it?	



Overall Assessment Summary

Human Rights Impact Analysis

Rights Potentially Affected Check all that apply and rate impact level based on the highest possible impact for any of the groups affected by the system, including affected non-users. **Civil & Political Rights:** Impact level: Non-discrimination ☐ High ☐ Medium ☐ Low and Equality ☐ High ☐ Medium ☐ Low Privacy Information/Transparency ☐ High ☐ Medium ☐ Low ☐ High ☐ Medium ☐ Low Freedom of Expression Participation ☐ High ☐ Medium ☐ Low **Economic, Social & Cultural Rights** Education ☐ High ☐ Medium ☐ Low Health ☐ High ☐ Medium ☐ Low ☐ High ☐ Medium ☐ Low Decent Work Freedom of Expression ☐ High ☐ Medium ☐ Low Adequate Standard of Living ☐ High ☐ Medium ☐ Low

Overall Risk Assessment

sks:	
☐ High ☐ Medium	Low
☐ High ☐ Medium	Low
Resolved Ongoing	☐ Mitigated ☐ Unaddressed
☐ High ☐ Medium	Low
☐ High ☐ Medium	Low
Resolved Ongoing	☐ Mitigated ☐ Unaddressed
☐ High ☐ Medium	Low
☐ High ☐ Medium	Low
Resolved Ongoing	☐ Mitigated ☐ Unaddressed
	High Medium High Medium Ongoing High Medium Resolved Resolved Resolved Resolved Resolved Resolved Medium Resolved Res

Overall Assessment Outcome

Human Rights Compliance Level	
Promotes Human Rights: System actively advances human dignity and rights.	
Compliant: Meets human rights standards with adequate protections.	
Conditionally Acceptable: Significant human rights concerns require major changes.	
Unacceptable: Deployment would likely cause substantial harm.	
Recommendation:	
Deploy as planned - All requirements met	
Deploy with conditions - List conditions:	
Delay deployment - Address issues first:	
Significant redesign required - Major changes needed	

Final Documentation and Sign-off

Assessment Completion Lead Assessor: Date: Signature: **Team Review Technical Lead:** Date: Community Representative: Date: **Ethics/Rights Expert:** Date: **Final Approval** Authorizing Official: Date: Date: Title/Role: Signature: **Conditions for** Approval: **Next Review Date:**

Appendices & Supporting Documents

Attached Documentation:	
Technical specifications	Community consultation reports
Expert reviews	Legal analysis
Risk mitigation plans	Monitoring protocols
Training materials	Other:
 Key Universal Declaration of Human Rights References: Relevant national/regional human rights legislation Al ethics guidelines and regulations (EU AI Act, etc.) Organizational policies and standards Academic research and best practices 	
Living Document Notes: This assessment is a living document that should be updated as the system evolves, context changes, or new information becomes available. Regular reviews ensure continued alignment with human rights principles and community needs.	
This integrated tool combines formal Human Rights Impact Assessment with ongoing reflection throughout the AI lifecycle. It is designed to be both a practical working document for development teams and a comprehensive assessment for accountability and compliance purposes. Template Version: 2.0 - Integrated Last Updated: [Date] Next Review Due: [Date]	





for reading groups, panels, community publications and collaborative policy comments

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