

Global Responsible Artificial Intelligence League for Students

GRAILS



Competition Handbook

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Introduction	4
Overview of the Competition	4
Objectives and Goals	4
Importance of Responsible AI	4
Competition Structure	5
Community and Collaboration	5
Eligibility and Team Composition	6
Eligibility Criteria	6
Team Competition	6
Diversity and Inclusion	6
Registration of Team Members	6
Faculty Advisor Registration	7
Responsibilities of Team Members	7
Responsibilities of Team Leaders	7
Change of Team Composition	7
Disqualification	7
Registration	8
Registration Process	8
Registration Deadline	8
Required Information	8
Registration Fee	8
Confirmation of Participation	8
Withdrawal from the Competition	9
Privacy and Data Protection	9
Competition framework	10
Description of SDG's	10
Project SDG Selection	15
Interdisciplinarity	15
Changing SDG domain	15
Project Outline	16
Project Requirements	17
Scope and Nature of the Projects	17
General Guidelines	17
Ethical Guidelines	17
Documentation	17
Submission	18

GRAILS Handbook

Language.....	18
Adherence to Timeline.....	18
Judging Criteria and Process.....	19
Introduction.....	19
Judging Panel Composition.....	19
Scoring System.....	19
Tie-Breaking.....	19
Announcement of Results.....	19
Post-Competition Review.....	20
Judging Rubric.....	21
Timeline.....	23
Important Dates and Deadlines.....	23
Code of Conduct.....	24
Purpose.....	24
Expected Behavior.....	24
Unacceptable Behavior.....	24
Consequences of Unacceptable Behavior.....	24
Reporting Guidelines.....	25
Scope.....	25
Documentation Requirements.....	26
Participant Agreement.....	28
Prizes and Awards.....	30
GRAILS week.....	32
Appendix.....	33

Introduction

We are in the midst of an AI bloom. Since the introduction of ChatGPT new applications of AI are published on a daily basis. Organizations struggle to keep up. What tools are trending, useful or still missing? Which tools embody public values, such as transparency, accountability or inclusiveness? The goal of the Global Responsible Artificial Intelligence League for Students is to find the answers to these questions. Together we will shape the future of AI.

Overview of the Competition

The Global Responsible AI League for Students (GRAILS) is an annual competition that invites students, researchers, and enthusiasts from around the world to develop artificial intelligence (AI) solutions with a focus on the sustainable development Goals (SDG'S). GRAILS seeks to inspire innovation in the field of AI, celebrate diverse approaches to responsible usage and give students an unique experience in global collaboration.

Objectives and Goals

The primary objectives of GRAILS is to:

- Pioneer the development of AI technologies and applications that are beneficial for society and adhere to ethical standards.
- Promote education and awareness of responsible AI practices.
- Provide a platform for emerging talents to showcase their abilities and contribute to the field of AI.
- Facilitate interdisciplinary cooperation and knowledge exchange within the AI community.

The goals of the competition are to:

- Challenge participants to think critically about the societal impacts of AI.
- Recognize and reward innovative ideas that prioritize ethical considerations in AI development.
- Build a global community committed to the advancement of responsible AI.

Importance of Responsible AI

AI has the potential to drive significant progress across various domains. However, this power comes with the responsibility to ensure that AI systems are developed and deployed in a manner that respects human rights, societal values, and environmental sustainability.

Next to SDGs and Human Rights, GRAILS emphasizes the importance of:

- Transparency in AI algorithms and data usage.
- Fairness and inclusivity in AI outcomes.
- Accountability for AI decision-making processes.
- Security and privacy in AI systems.
- Multi-disciplinarity and multi-stakeholder engagement to address complex ethical challenges.

GRAILS envisions a future where AI is developed with a conscientious approach, ensuring technology serves ecology and humanity in positive and equitable ways.

Competition Structure

The competition is structured into various stages, from initial registration and proposal submission to development and final presentations. Throughout these stages, in future editions, participating teams will have the opportunity to attend workshops, receive mentorship, and engage in community activities.

Community and Collaboration

GRAILS is more than a competition; it is a growing community of responsible AI practitioners. Participants are incentivized to engage with one another, share insights, and build lasting connections that extend beyond the competition.

Eligibility and Team Composition

This chapter describes the eligibility criteria and required team composition

Eligibility Criteria

GRAILS is open to teams composed of individuals who meet the following criteria:

- **Students:** Currently enrolled in an accredited undergraduate or graduate program.
- **Academics and Researchers:** Affiliated with a recognized academic or research institution can advise teams.
- **Independent Innovators:** Individuals or groups working independently of an institution, provided they adhere to the competition's ethical standards and open-source requirements.

All participants must agree to the GRAILS Code of Conduct and the Participant Agreement to be eligible for participation.

Team Competition

- **Maximum Team Size:** Each team is allowed a maximum of six (6) members. This ensures manageable team dynamics and equitable distribution of work.
- **Multidisciplinary Teams:** To encourage a holistic approach to AI development, teams are encouraged to include members from diverse academic backgrounds, such as (but not limited to) finance, marketing, management, computer science, engineering, social sciences, law, and ethics.
- **Faculty Advisors:** Teams, especially those from academic institutions, are encouraged to have a faculty advisor. The advisor's role is to provide guidance and ensure the team's adherence to the competition's academic standards.

Diversity and Inclusion

GRAILS is committed to promoting diversity and inclusion within its community. Teams are encouraged to include members from various demographics, including but not limited to different genders, ethnicities, nationalities, and abilities.

Registration of Team Members

All team members must be registered for the competition through the official GRAILS registration process. Changes to team composition after the registration deadline are subject to approval by the GRAILS organizers.

Faculty Advisor Registration

Faculty advisors must register using the same process as team members. They must provide their contact information and declare their commitment to guiding their team responsibly, ensuring a safe and inclusive environment.

Responsibilities of Team Members

Each team member is expected to contribute significantly to the project. While roles may differ, the workload should be evenly distributed to ensure a collaborative effort.

Responsibilities of Team Leaders

Each team must designate a Team Leader who will be responsible for:

- Serving as the primary point of contact between the GRAILS organizers and the team.
- Ensuring that the team adheres to the competition schedule and deadlines.
- Overseeing the project's development and submission.

Change of Team Composition

If a change in team composition is necessary, the Team Leader must submit a formal request to the GRAILS organizers.

Disqualification

Failure to adhere to the eligibility and team composition rules may result in disqualification from the competition. It is the responsibility of the Team Leader to ensure compliance with these rules.

Registration

Registration Process

Registration for GRAILS is a structured process designed to capture all necessary information for team participation. The process is as follows:

- **Online Registration Form:** Teams must complete an online registration form providing team details, including member names, contact information, and affiliations.
- **Acceptance of Terms:** During registration, teams must agree to the competition's terms and conditions, the Participant Agreement, and the Code of Conduct.
- **Consent Forms Submission:** Teams are required to submit signed data use and media release consent forms for all team members.
- **Confirmation of Registration:** Once a team's registration form and consent forms are received and processed, the team will receive an official confirmation email.

Registration Deadline

The registration deadline for GRAILS is **31 January 2025**. Late registrations may not be accepted, but exceptional circumstances will be considered on a case-by-case basis.

Required Information

To complete the registration, teams must provide the following information:

- Full names of all team members and faculty advisor.
- Contact details, including email addresses.
- A brief summary of the team's proposed project or area of focus.
- Any special requirements or accommodations the team may need.

Registration Fee

There is no registration fee for GRAILS. However, teams are responsible for any costs associated with the development and presentation of their projects.

Confirmation of Participation

Teams will receive a confirmation of participation, which includes:

- An official team number for identification purposes.
- Access to the GRAILS resources and online environments.
- Details on upcoming events hosted by the GRAILS.

Withdrawal from the Competition

If a team wishes to withdraw from the competition, the Team Leader must notify the GRAILS organizers in writing as soon as possible.

Privacy and Data Protection

All personal data collected during the registration process will be handled in accordance with the GRAILS' privacy policy. Teams can rest assured that their information will be used strictly for competition-related purposes and protected against unauthorized access.

Competition framework

At the core of the GRAILS competition philosophy is the emphasis on the responsible use and development of AI to tackle global societal challenges. Given the vast array of global issues, the Sustainable Development Goals (SDGs) serve as the theoretical framework for teams to understand and approach the specific challenge they are addressing. As a guiding principle, each potential AI-based solution must target at least three SDG domains with a focus for one SDG domain.

Description of SDG's

As described by the United Nations the SDG's are defined as followed:

“The Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including those related to poverty, inequality, climate change, environmental degradation, peace and justice. The 17 Goals are all interconnected, and in order to leave no one behind, it is important that we achieve them all by 2030.”

In the Appendix you will find an infographic per SDG which provides you with an overview of the goals per Sustainable Development Goal.

SDG 1: Poverty

End Poverty in all its forms everywhere

Poverty has many dimensions, but its causes include unemployment, social exclusion, and high vulnerability of certain populations to disasters, diseases and other phenomena which prevent them from being productive.

SDG 2: Zero hunger

End hunger, achieve food security and improved nutrition and promote sustainable agriculture

It is projected that more than 600 million people worldwide will be facing hunger in 2030, highlighting the immense challenge of achieving the zero hunger target. People experiencing moderate food insecurity are typically unable to eat a healthy, balanced diet on a regular basis because of income or other resource constraints.

SDG 3: Good Health and well-being

Ensure healthy lives and promote well-being for all at all ages

A significant portion of the global population still lacks access to vital healthcare services. To bridge this gap and ensure equitable healthcare provision, addressing disparities is critical. Various determinants of health, including environmental and commercial factors, need attention to pave the way for achieving our common objective of Health for All and achieving the Sustainable Development Goal targets.

SDG 4: Quality Education

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

According to national education targets, the percentage of students attaining basic reading skills by the end of primary school is projected to rise from 51 per cent in 2015 to 67 per cent by 2030. However, an estimated 300 million children and young people will still lack basic numeracy and literacy skills by 2030. Economic constraints, coupled with issues of learning outcomes and dropout rates, persist in marginalized areas, underscoring the need for continued global commitment to ensuring inclusive and equitable education for all. Low levels of information and communications technology (ICT) skills are also a major barrier to achieving universal and meaningful connectivity.

SDG 5: Gender Equality

Achieve gender equality and empower all women and girls

Worldwide, nearly half of married women lack decision-making power over their sexual and reproductive health and rights. 35 per cent of women between 15–49 years of age have experienced physical and/ or sexual intimate partner violence or non-partner sexual violence.¹ In 3 girls aged 15–19 have experienced some form of female genital mutilation/cutting in the 30 countries in Africa and the Middle East, where the harmful practice is most common with a high risk of prolonged bleeding, infection (including HIV), childbirth complications, infertility and death. This type of violence doesn't just harm individual women and girls; it also undermines their overall quality of life and hinders their active involvement in society.

SDG 6: Clean water and sanitation

Ensure availability and sustainable management of water and sanitation for all

In 2022, 2.2 billion people still lacked safely managed drinking water, including 703 million without a basic water service; 3.5 billion people lacked safely managed sanitation, including 1.5 billion without basic sanitation services; and 2 billion lacked a basic handwashing facility, including 653 million with no handwashing facility at all. By managing our water sustainably, we are also able to better manage our production of food and energy and contribute to decent work and economic growth. Moreover, we can preserve our water ecosystems, their biodiversity, and take action on climate change.

SDG 7: Affordable and clean energy

Ensure access to affordable, reliable, sustainable and modern energy for all

Without electricity, women and girls have to spend hours fetching water, clinics cannot store vaccines for children, many schoolchildren can not do homework at night, and people cannot run competitive businesses. Slow progress towards clean cooking solutions is of grave global concern, affecting both human health and the environment, and if we don't meet our goal by 2030, nearly a third of the world's population – mostly women and children – will continue to be exposed to harmful household air pollution.

SDG 8: Decent work and economic growth

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

A persistent lack of decent work opportunities, insufficient investments and under-consumption contribute to the erosion of the basic social contract: that all must share in progress. The creation of quality jobs remain a major challenge for almost all economies. Achieving Goal 8 will require a wholesale reform of the financial system to tackle rising debts, economic uncertainty and trade tensions, while promoting equitable pay and decent work for young people. Sustained and inclusive economic growth can drive progress, create decent jobs for all and improve living standards.

SDG 9: Industry, innovation and infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Investments in infrastructure – transport, irrigation, energy and information and communication technology – are crucial to achieving sustainable development and empowering communities in many countries. To achieve Goal 9 by 2030, it is also essential to support LDCs, invest in advanced technologies, lower carbon emissions and increase mobile broadband access.

SDG 10: Reduced Inequalities

Reduce inequality within and among countries

Women and children with lack of access to healthcare die each day from preventable diseases such as measles and tuberculosis or in childbirth. Older persons, migrants and refugees face lack of opportunities and discrimination – an issue that affects every country in the world. One in five persons reported being discriminated on at least one ground of discrimination prohibited by international human rights law. One in six people worldwide has experienced discrimination in some form, with women and people with disabilities disproportionately affected. Discrimination has many intersecting forms, from religion, ethnicity to gender and sexual preference, pointing to the urgent need for measures to tackle any kind of discriminatory practices and hate speech.

SDG 11: Sustainable cities and communities

Make cities and human settlements inclusive, safe, resilient and sustainable

nequality and the levels of urban energy consumption and pollution are some of the challenges. Cities occupy just 3 per cent of the Earth's land, but account for 60–80 per cent of energy consumption and 75 per cent of carbon emissions. Many cities are also more vulnerable to climate change and natural disasters due to their high concentration of people and location so building urban resilience is crucial to avoid human, social and economic losses.

SDG 12: Responsible Consumption and Production

Ensure sustainable consumption and production patterns

There are many aspects of consumption that with simple changes can have a big impact on society as a whole. Governments need to implement and enforce

policies and regulations that include measures such as setting targets for reducing waste generation, promoting circular economy practices, and supporting sustainable procurement policies. Transitioning to a circular economy involves designing products for longevity, repairability, and recyclability. It also involves promoting practices such as reusing, refurbishing, and recycling products to minimize waste and resource depletion. Individuals can also adopt more sustainable lifestyles – this can involve consuming less, choosing products with lower environmental impacts, and reducing the carbon footprint of day-to-day activities.

SDG 13: climate action

Take urgent action to combat climate change and its impacts

The climate crisis continues unabated as the global community shies away from the full commitment required for its reversal. 2010 – 2019 was the warmest decade ever recorded, bringing with it massive wildfires, hurricanes, droughts, floods and other climate disasters across continents. Climate change is disrupting national economies and affecting lives and livelihoods, especially for the most vulnerable. Between 2010 and 2020, highly vulnerable regions, home to approximately 3.3–3.6 billion people, experienced 15 x higher human mortality rates from floods, droughts and storms compared to regions with very low vulnerability.

SDG 14: Life below water

Conserve and sustainably use the oceans, seas and marine resources for sustainable development

The ocean is our planet's life support and regulate the global climate system. It is the world's largest ecosystem, home to nearly a million known species and containing vast untapped potential for scientific discovery. Oceans and fisheries continue to support the global population's economic, social and environmental needs. Despite the critical importance of conserving oceans, decades of irresponsible exploitation have led to an alarming level of degradation.

SDG 15: Life on land

Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss

Lost forests mean the disappearance of livelihoods in rural communities, increased carbon emissions, diminished biodiversity and the degradation of land. While forest loss remains high, 2020 data show that the proportion of forests in protected areas and under long-term management plans increased or remained

stable at the global level and in most regions of the world. An irreversible effect of human activity on the environment is species extinction, which upsets the balance of nature and makes ecosystems more fragile and less resistant to disruptions. A recent UN report on biodiversity found that around 1 million animal and plant species are now threatened with extinction, many within decades, more than ever before in human history.

SDG 16: Peace, Justice, and Strong Institutions

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

High levels of armed violence and insecurity have a destructive impact on a country's development. Sexual violence, crime, exploitation and torture are prevalent where there is conflict or no rule of law. Governments, civil society and communities need to work together to find lasting solutions to conflict and insecurity. Strengthening the rule of law and promoting human rights is key to this process, as is reducing the flow of illicit arms, combating corruption, and ensuring inclusive participation at all times.

SDG 17: Partnerships

Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

We are all in this together. The Agenda, with its 17 goals, is universal and calls for action by all countries, both developed countries and developing countries, to ensure no one is left behind.

Project SDG Selection

Participants must ensure their project aligns with the objectives of the chosen SDG domain(s). The project should address a specific problem, propose a novel AI-based solution, and consider the potential impact.

Interdisciplinarity

While teams will choose at least three SDG domains with a main focus on one, an interdisciplinary approach is highly encouraged. Combining knowledge from different fields can lead to more robust and innovative AI solutions.

Changing SDG domain

If a team decides to change their selected SDG domain, they must submit a formal request. Approval will be at the discretion of the GRAILS organizers.

Project Outline

Project Title

Background and Issue:

- Describe the context and rationale for this project keeping in mind the chosen SDG domains.
- Identify the specific problem, opportunity, or need the project addresses.

Purpose and Scope:

- **Objectives:**
 - Specify the project's specific goals.
 - Differentiate between primary and secondary objectives.
- **Project Scope:**
 - Define what is within the project's boundaries and what is not.
 - Specify constraints such as time, budget, resources, and technologies.

Planning and Timeline:

- Provide a detailed schedule of activities, milestones, and deadlines.
- Use a Gantt chart or timeline to visually represent the schedule.

Team:

- **Team Members:**
 - List team members and their roles/functions within the project.
- **Advisors:**
 - Identify external advisors or consultants involved in the project and their roles.
- **Stakeholders:**
 - Identify stakeholders in the project (e.g., clients, end-users, sponsors).
 - Describe their roles and interests in the project.

Approach:

- Describe the methodology or approach used to carry out the project.
- Specify the steps or phases of the project (e.g., planning, design, implementation, evaluation).

Anticipated Risks and Mitigation:

- Identify potential risks that could threaten the project.
- Describe strategies and plans to manage and mitigate these risks.

Project Requirements

Scope and Nature of the Projects

GRAILS welcomes a diverse array of projects that demonstrate innovative and responsible applications of AI. Projects should be focused on creating positive impact while addressing societal and ethical considerations.

General Guidelines

- **Innovation:** Projects must introduce a novel approach or solution to the chosen problem area within the selected SDG domains.
- **Implementation:** The AI solution should be technically sound, feasible, and show potential for real-world application.
- **Reproducibility:** Solutions should be reproducible by others using the provided documentation and resources employed by the team.
- **Legal:** Solutions should follow legal guidelines in the geographical area for which they are designed.

Ethical Guidelines

- **Transparency:** Projects must disclose the methodologies, data sources, and algorithms used.
- **Fairness:** Solutions should address and aim to mitigate biases that could lead to unfair outcomes.
- **Accountability:** Teams must demonstrate how their projects ensure accountability in decision-making processes.
- **Privacy and Security:** Solutions must respect user privacy and include measures to protect sensitive data.
- **Sustainability:** Teams must address the environmental impact of their project.

Documentation

- **Clear and Comprehensive:** Project documentation should clearly explain the challenge, the AI solution, and the expected impact.
- **Open Source Requirement:** All code and resources must be submitted under an open source license to promote collaboration and transparency.
- **Creative Commons for Non-Code Materials:** All documentation, images, and other non-code materials must be submitted under a Creative Commons license.
- **Demonstration Video:** A video presentation is required to demonstrate the project and its impact visually. This should be concise and informative, not exceeding 5 minutes.

Submission

Projects must be submitted via the final submission form on the GRAILS website. We highly encourage using online platforms for documentation and reporting.

Language

All submissions, including written documentation and video presentations, must be at least in English to ensure accessibility to an international panel of judges.

Adherence to Timeline

Submissions must adhere to the deadlines specified in the competition timeline. Late submissions may result in penalties or disqualification.

Judging Criteria and Process

Introduction

GRAILS employs a comprehensive judging process to evaluate the merits of each project fairly and accurately. This chapter outlines the criteria and process used by our panel of expert judges.

Judging Panel Composition

- **Expertise:** Judges are selected based on their expertise in AI, ethics, industry-specific knowledge, and experience in several (applied) science fields.
- **Diversity:** The panel reflects diversity in geography, gender, and professional background to ensure a broad perspective in the evaluation process.

Scoring System

- Judges will conduct an initial review of all submitted materials to ensure compliance with the GRAILS guidelines.
- Different aspects of the solution will be scored, see the rubric for more detailed explanation.
- Each judge will score the projects independently.
- **Point Allocation:** Judges will allocate points to each project based on the criteria above, with a maximum score of 100 points.
- Each project is judged by at least three judges.
- **Deliberation:** Judges will convene to discuss the projects and come to a consensus on the final scores and potential award recipients.
- **Feedback:** Constructive feedback will be provided to each team after the competition, highlighting strengths and areas for improvement.

Tie-Breaking

In the event of a tie, the judges will re-evaluate the tied projects based on a set of tie-breaking criteria, which focus on:

- **Depth of Ethical Consideration:** How deeply the project has integrated ethical considerations into its design.
- **Scalability and Sustainability:** The project's potential for scalability and long-term sustainability.

Announcement of Results

The winners will be announced at the GRAILS award ceremony. All decisions made by the judges are final.

Post-Competition Review

Judges are encouraged to participate in a post-competition review to reflect on the judging process, discuss potential improvements, and prepare for the next iteration of the GRAILS.

Judging Rubric

Technical Execution (25 Points)

- AI Application Complexity and Innovation (10 points): Complexity, novelty, and innovation of the AI model or algorithm.
- Technical Implementation (10 points): Quality and efficiency of the code, scalability, and use of technology.
- AI Application Performance (5 points): Accuracy, reliability, and performance metrics of the AI solution.

Ethical Consideration (25 points)

- Assessment of ethical aspects (10 points): how well the team has identified ethical aspects of the project
- Mitigation strategy (10 points): efforts to address and mitigate the identified ethical aspects
- Stakeholder engagement (5 points): efforts to involve relevant stakeholders in the assessment and formulation of the strategy

Impact and Application (20 Points)

- Problem Significance (10 points): Relevance and significance of the problem being addressed.
- Solution Effectiveness (10 points): Potential impact and practical applicability of the AI solution.

Innovation and Creativity (10 Points)

- Originality (5 points): Originality of the approach to problem-solving with AI.
- Creativity (5 points): Creativity in the design and approach to the AI solution.

Presentation (10 Points)

- Clarity (5 points): How clearly the team communicates their ideas and the details of their project.
- Engagement (5 points): Ability to engage the audience and judges, and respond effectively to questions.

Documentation and Methodology (10 Points)

- Completeness (5 points): Completeness and thoroughness of the project documentation.
- Methodology (5 points): Clarity and appropriateness of the methodology used in the project.

Total: 100 Points

Bonus Points (up to 10 Extra Points)

- Interdisciplinary Approach (5 points): Use of interdisciplinary methods and perspectives.
- Community and Social Engagement (5 points): How the project engages with or impacts the community or broader social issues.

Teams will be evaluated based on the above criteria, with a total possible score of 100 points, not including bonus points. The rubric is designed to balance technical prowess with the importance of ethical considerations and real-world impact. Judges are encouraged to provide feedback for each section to help teams understand their strengths and areas for improvement.

Timeline

Important Dates and Deadlines

31 January: Registration Deadline

- Last day for teams to submit their registration forms and consent documents.

7 February: Confirmation of Teams

- Official confirmation and announcement of registered teams.

11 February: Kickoff Event

- Virtual opening ceremony and detailed briefing on competition rules, and judging criteria.

3 March: Submission of Project Outline

- Teams submit a brief outline of their project concept.

13 March: Project outline approval + feedback

- Teams present their project in SDG domain gathering including SDG domain expert. Moment for approval and feedback.

23 May: Submission and publication of Documentation

2 June : Start of Grails week – Dinner evening

3 June: Hackaton

- Networking opportunities with other teams and industry professionals.

4 June: Discover Rotterdam

5 June: Grails Presentations

- Live presentations to the judges and wider audience.

6 June: GRAILS Final Ceremony

- Awards ceremony and closing remarks.

13 June: Post-Competition Survey

- Surveys distributed to all participants to gather feedback on the competition experience.

20 June: Distribution prize money (after integrity check and objection phase)

Code of Conduct

Purpose

GRAILS is dedicated to providing a harassment-free, inclusive, and collaborative environment for all participants, judges, advisors, organizers, publics and staff. We aim to empower everyone to contribute fully to creating a responsible future for AI. This Code of Conduct outlines our expectations for participant behavior as well as the consequences for unacceptable behavior.

Expected Behavior

- **Respectful Communication:** Use welcoming and inclusive language. Be considerate in speech and actions, and actively seek to acknowledge and respect the diversity of our community.
- **Professionalism:** Conduct yourself in a professional manner. Your actions should contribute positively to the experience of all participants.
- **Collaboration over Competition:** While this is a competition, fostering a collaborative environment is key. Share knowledge and help your peers when you can.
- **Ethical Conduct:** Uphold the principles of ethical behavior in AI, including honesty, fairness, and responsibility.
- **Open Source Engagement:** Encourage open exchange of ideas and the freedom to build upon the work of others as outlined in the competition's open source requirements.

Unacceptable Behavior

- **Harassment:** Harassment of any kind will not be tolerated. This includes offensive verbal comments related to gender, age, sexual orientation, disability, physical appearance, body size, race, or religion.
- **Trolling and Insults:** Deliberately disruptive or inflammatory comments are not welcome.
- **Plagiarism:** Submitting the work of others as your own violates the ethical standards of this competition.
- **Breach of Privacy:** Publishing or sharing private information, such as physical or electronic addresses, without explicit permission is prohibited.
- **Other Unethical Conduct:** This includes any other behaviors that undermine the spirit of ethical AI and the integrity of the competition.

Consequences of Unacceptable Behavior

Unacceptable behavior will not be tolerated. Anyone asked to stop any harassing behavior is expected to comply immediately. If a participant engages in

unacceptable behavior, the competition organizers may take any action they deem appropriate, including warning the offender, expulsion from the competition, or legal action.

Reporting Guidelines

If you are the subject of, or witness to, unacceptable behavior, or have any other concerns, please report it by contacting the organizers at ai@hr.nl. All complaints will be reviewed and investigated promptly and fairly.

Scope

This Code of Conduct applies to all participants of the competition, including during judging, workshops, and any online forums or social media connected to the competition.

Documentation Requirements

Projects must be documented online. While teams are free to determine the structure and layout, the following information is recommended:

Home Page

- Introduction to the project and team.
- Navigation links to different sections.

Project Overview

- Abstract: A concise summary detailing the problem, solution, and impact.
- Goals and Objectives: Specific aims of the project.

Research and Background

- Problem Statement: Detailed description of the issue being tackled.
- Literature Review: Summary of existing research, with hyperlinks to sources.

Ethics and Responsibility

- Ethical Consideration Statement: An account of how the project adheres to responsible AI principles.

Technical Documentation

- Methodology: Description of the project's approach and methods.
- Implementation: Detailed account of implementation, including code snippets and explanations.
- Results: Presentation of outcomes, including graphs, charts, and narrative explanation.
- Future Work: Suggestions for future research directions and project improvements.

Licensing and Contribution

- Licensing: Explanation of open source and Creative Commons licenses applied to the project.
- Contribution Guidelines: How others can contribute to the project.

Team and Acknowledgments

- Team Members: Profiles and roles within the team.
- Acknowledgments: Recognition of mentors, advisors, and any external support.

Appendices

- Additional supporting materials, data sets, or resources.

Reflections

- Team Reflection: Insights gained, challenges faced, and experiences during the competition.

Version Control

- Commit regularly with clear commit messages to document the evolution of the project.
- Use branches for major changes and merge requests for review.

Collaboration and Interaction

- Use issue tracking to manage tasks and bugs.
- Document all team discussions related to project development in issues or merge requests to maintain a clear history of decisions.

Submission Instructions

- Ensure the website is publicly accessible by the submission deadline.
- Provide a clear index or table of contents for easy navigation.

Participant Agreement

I. Agreement to Participate

By signing this agreement, I, [Participant's Full Name], on behalf of my team, [Team Name], hereby agree to the terms and conditions set forth by the Global Responsible Artificial Intelligence League for Students organizers for participation in the competition. I affirm that I have the authority to bind my team to these terms.

II. Originality and Ownership

I attest that all work submitted by my team is original, and my team holds ownership of the intellectual property (IP) or has rights to all materials and content used in our submission. No part of our submission is encumbered by any IP claims by third parties.

III. Requirement for Open Source and Creative Commons

I understand that in the spirit of fostering an open and collaborative environment, all materials submitted to GRAILS, including but not limited to code, designs, and documentation, must be made available under an appropriate open source license for software (such as the GNU General Public License, Apache License, MIT License, etc.) and under a Creative Commons license for all other types of work. This ensures that submissions are accessible for use, adaptation, and distribution by others under the same or compatible licenses.

IV. Compliance with Competition Rules

I agree to comply with all competition rules as outlined in the official rulebook provided by the organizers. I acknowledge that failure to comply with these rules may result in disqualification from the competition or other penalties as deemed appropriate by the organizers.

V. Representation and Warranties

I represent and warrant that:

- My team's submission will not infringe upon the intellectual property rights, privacy rights, or any other legal rights of any third party.
- My team's submission will not contain any libelous, defamatory, or otherwise unlawful material.
- My team will disclose any third-party contributions or materials included in our submission.

VI. Use of Submissions

I grant the GRAILS organizers the right to use, display, and demonstrate our submission in materials related to the promotion and execution of the competition. This includes, but is not limited to, presentations, website content, promotional videos, and educational materials.

VII. Data Protection and Privacy

I agree to adhere to all applicable data protection and privacy laws when developing our project and handling any data, particularly personal data that may be used or generated as part of our project.

VIII. Acknowledgement of Risk

I acknowledge that participation in the competition involves certain risks, including but not limited to the risk of injury from working on the project and the risk of damage to personal property. I accept these risks as part of participation.

IX. Indemnification

I agree to indemnify and hold harmless the GRAILS organizers, affiliates, officers, agents, and other partners from any claim or demand, made by any third party due to or arising out of my team's actions, our submission, our violation of the competition rules, or our violation of any rights of another.

X. Agreement to Terms

I have read and understood the terms of this Participant Agreement, and agree to be bound by them. I acknowledge that this agreement constitutes the entire agreement between my team and the GRAILS organizers, superseding any prior agreements between us regarding the competition.

Participant's Signature: _____

Date: _____

For teams with participants under the age of 18:

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Date: _____

Prizes and Awards

Teams can win the following awards:

Grand Winner

- The best overall project

Best Presentation Award

- Recognizing the team that delivers the most compelling and clear presentation of their AI solution.

Best Fundamental AI Advance

- Honoring the team that achieves a breakthrough in AI theory or fundamental application.

Best AI Model

- Given to the team with the most innovative and effective AI model or algorithm.

Best Documentation

- Awarded to the team providing the most comprehensive and clear documentation of their AI project.

Ethical Innovation Award

- For the team that best incorporates ethical considerations into their AI solution.

Most Collaborative Team Award

- Recognizing the team that exemplifies exceptional teamwork and interdisciplinary collaboration.

Community Impact Award

- Given to the team whose AI project has the most potential for positive social impact.

Most Sustainable Solution Award

- For the team that presents an AI solution with the best sustainability practices.

Best Use of AI for Accessibility

- Awarded to the team that utilizes AI to improve accessibility for individuals with disabilities.

GRAILS Community Award

- For the team that receive the highest number of votes from their peers.

Best AI x ... SDG domain

- Awarded to the best team in the SDG domain

Runner up awards

- For Grand Winner and Best AI x ... SDG domain award, the teams on the second place get the runner up award

GRAILS week

The final event consists of one week from 2nd June – 6th June 2025:

2 June: Arrival and introduction dinner

- Arrival and settle in
- Introduction dinner for all attendees to meet and greet

3 June: Discover Rotterdam

- Inspiring lectures
- Final consultation about your project
- Guided tour of Rotterdam

4 June: Hackathon & pizza

- Work on your project
- Hackathon & pizza; work together in multi-disciplinary teams on a responsible A.I. assignment

5 June: GRAILS Presentations

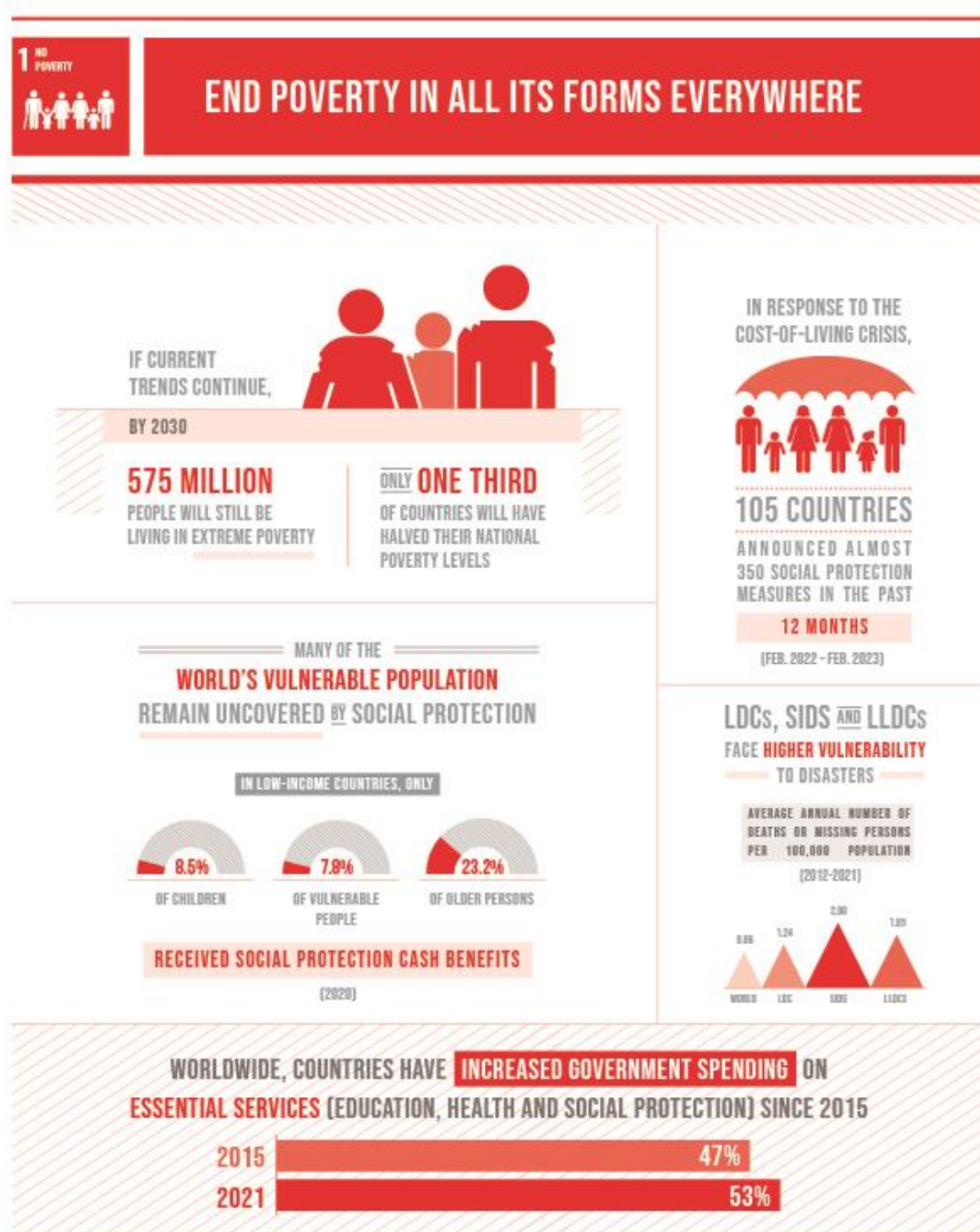
- Opening Remarks: Brief welcome and overview of the day's schedule.
- Scheduled presentations by all teams to the panel of judges. Each team is given a set time slot for their presentation and Q&A.
- Catered lunch for all participants, judges, and organizers.

6 June: Award Ceremony and celebration

- Announcement of Winners: The winners of each category, including special awards, are announced and celebrated.
- Prize Distribution: Presentation of awards and prizes to the winning teams.
- Closing Remarks: Final thoughts and acknowledgments from the organizers.
- Celebration

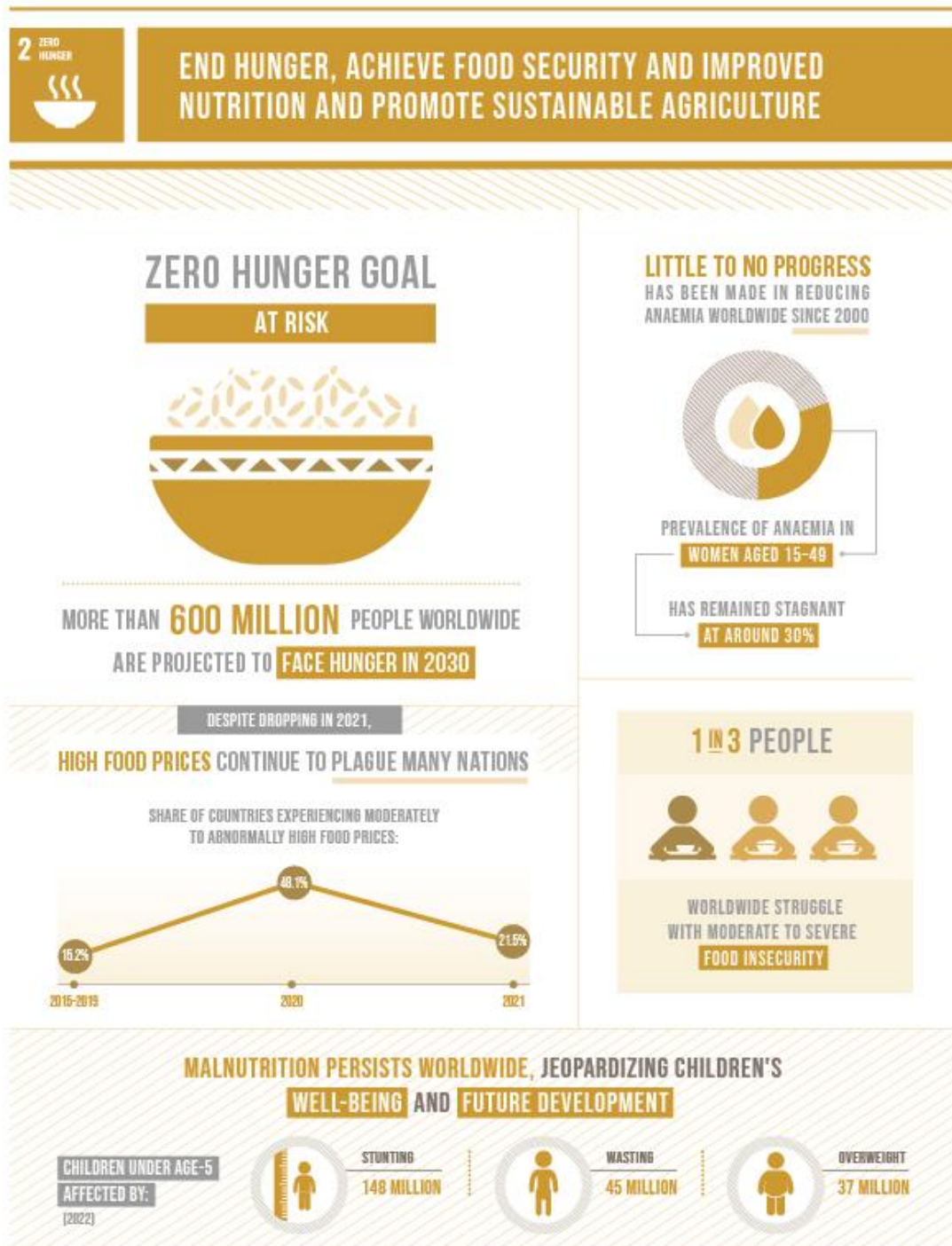
Appendix

SDG 1: No Poverty



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SDG 2: Zero Hunger



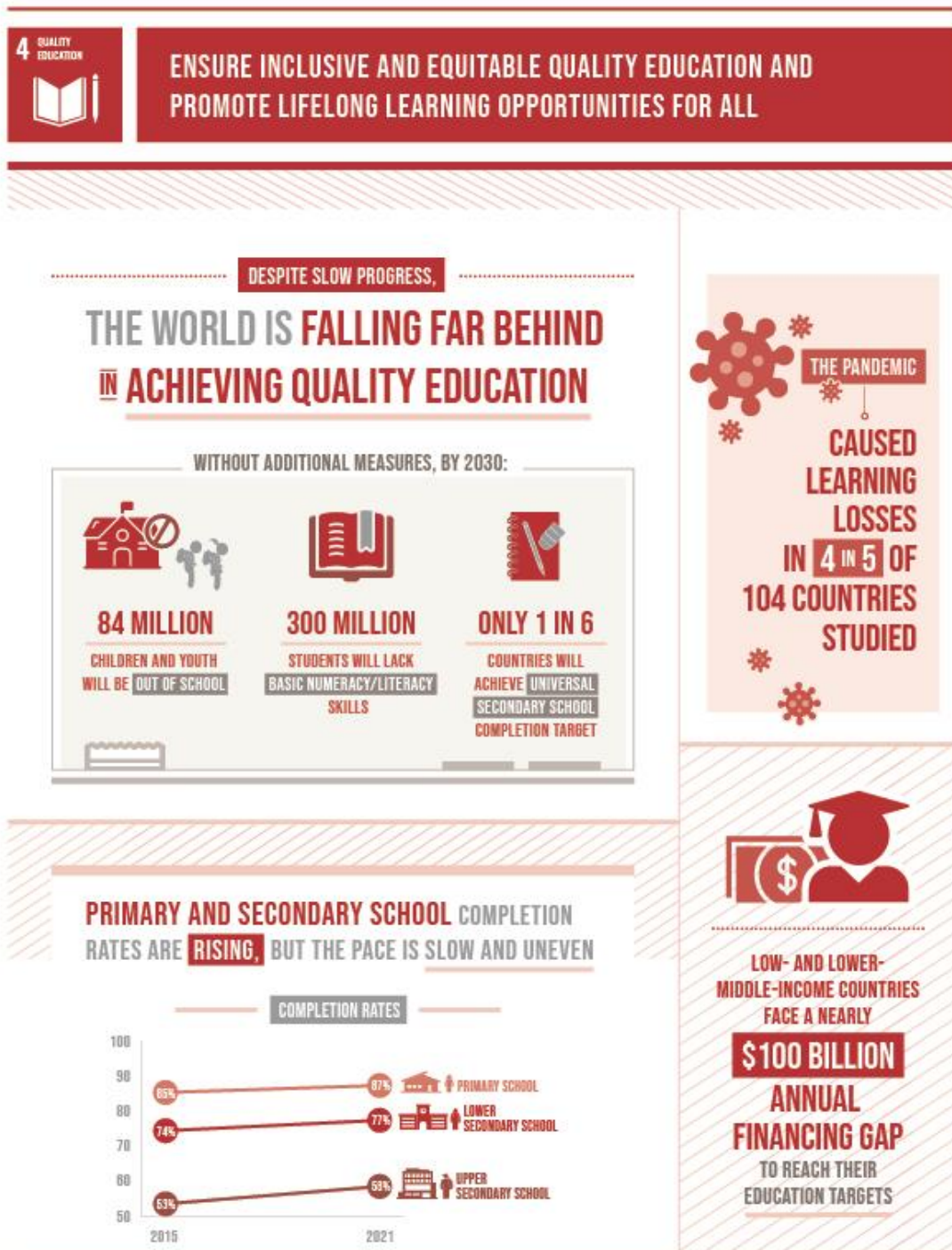
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SDG 3: Good health and well-being



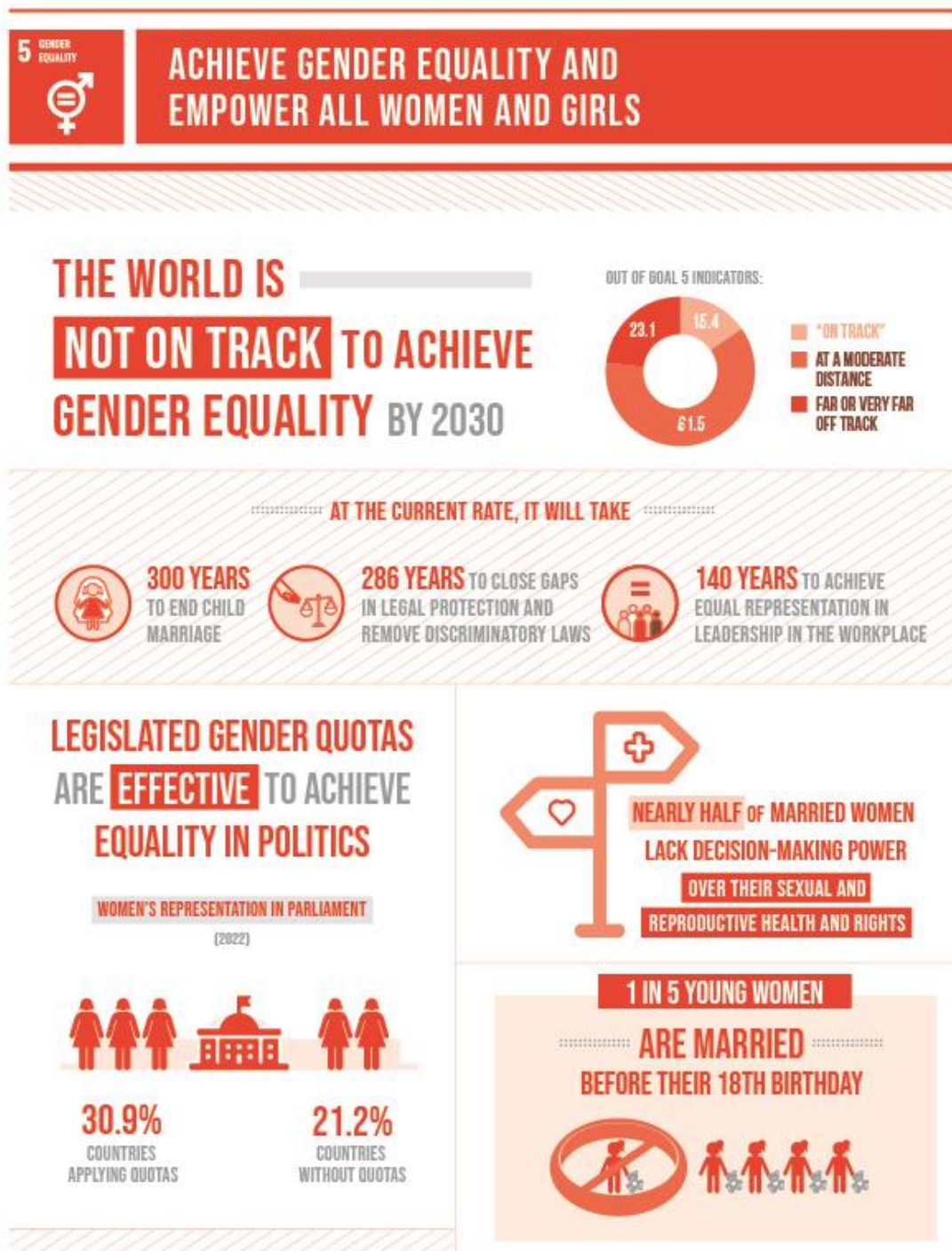
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SDG 4: Quality education

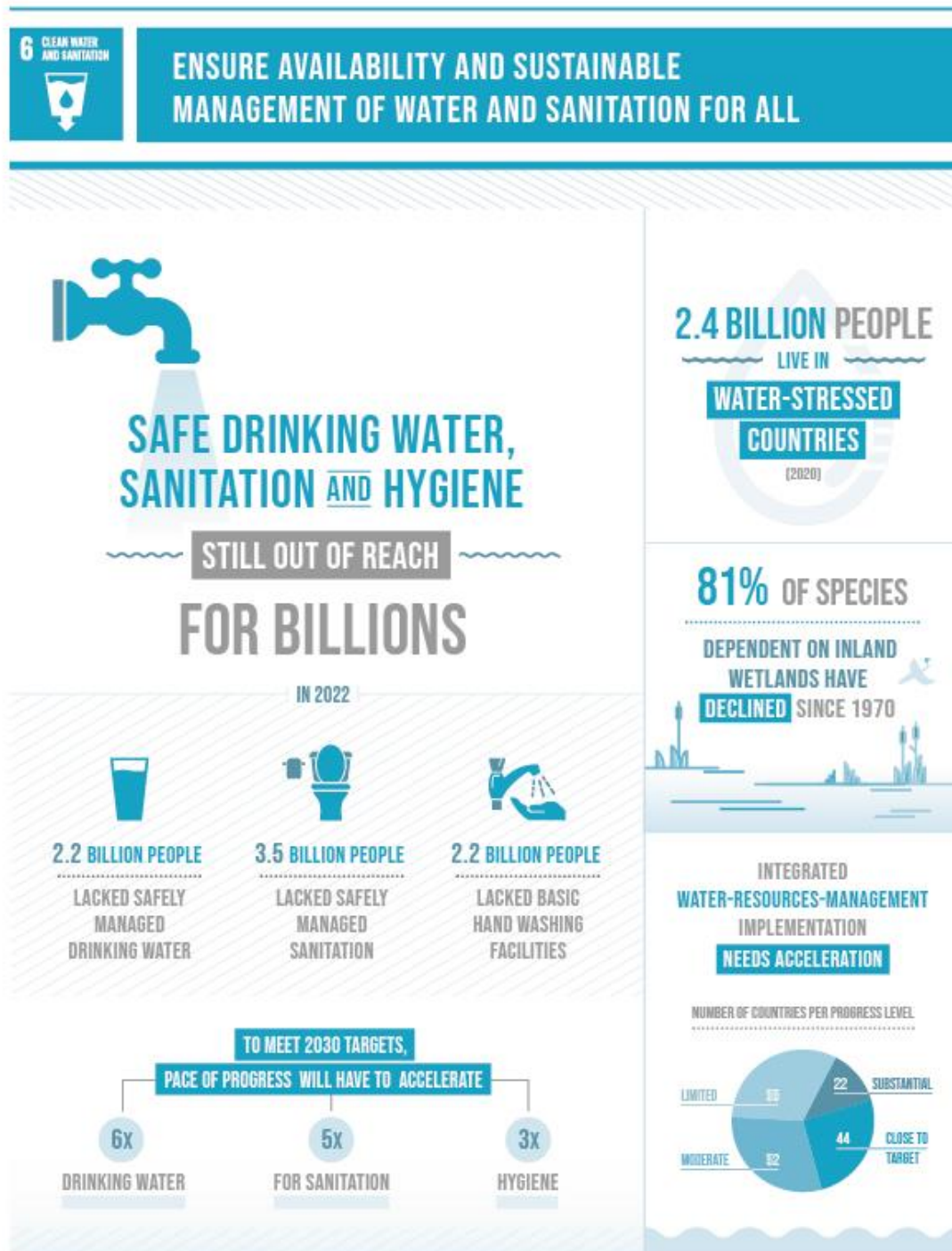


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SDG 5: Gender equality

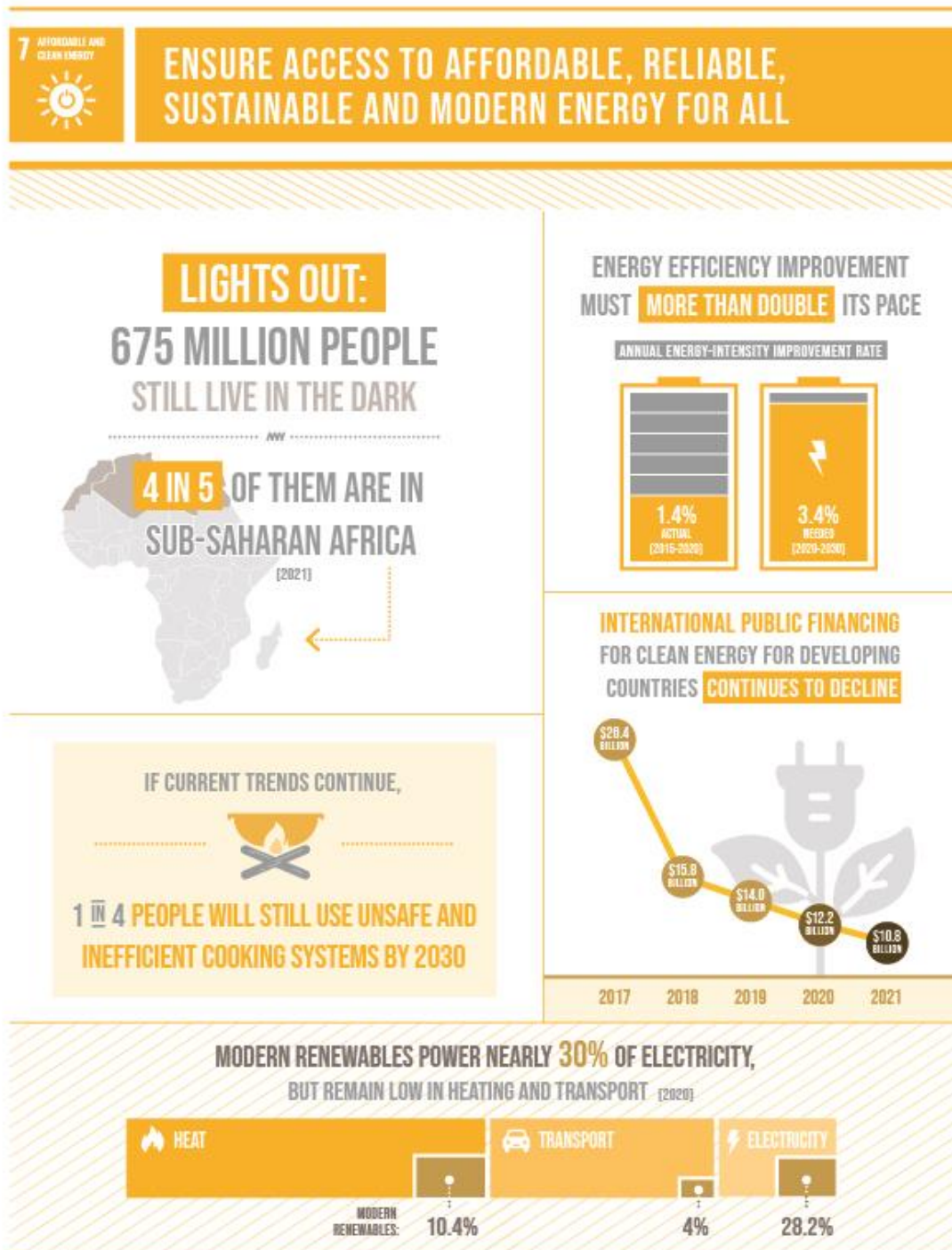


SDG 6: Clean water and sanitation



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SDG 7: Affordable and clean energy

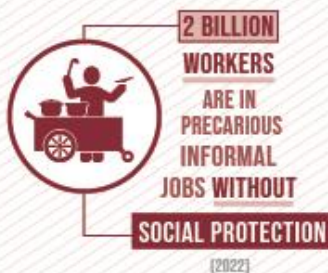
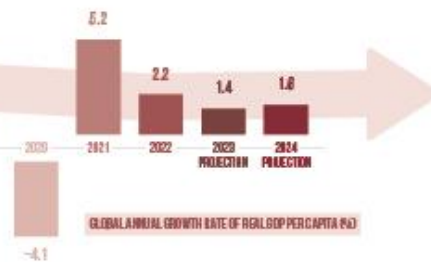


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SDG 8: Decent work and economic growth



GLOBAL ECONOMIC RECOVERY CONTINUES, BUT ON A SLOW TRAJECTORY



GLOBAL UNEMPLOYMENT IS EXPECTED TO FALL BELOW PRE-PANDEMIC LEVELS, BUT NOT IN LOW-INCOME COUNTRIES



1 IN 4 YOUNG PEOPLE ARE NOT IN EDUCATION, EMPLOYMENT OR TRAINING,

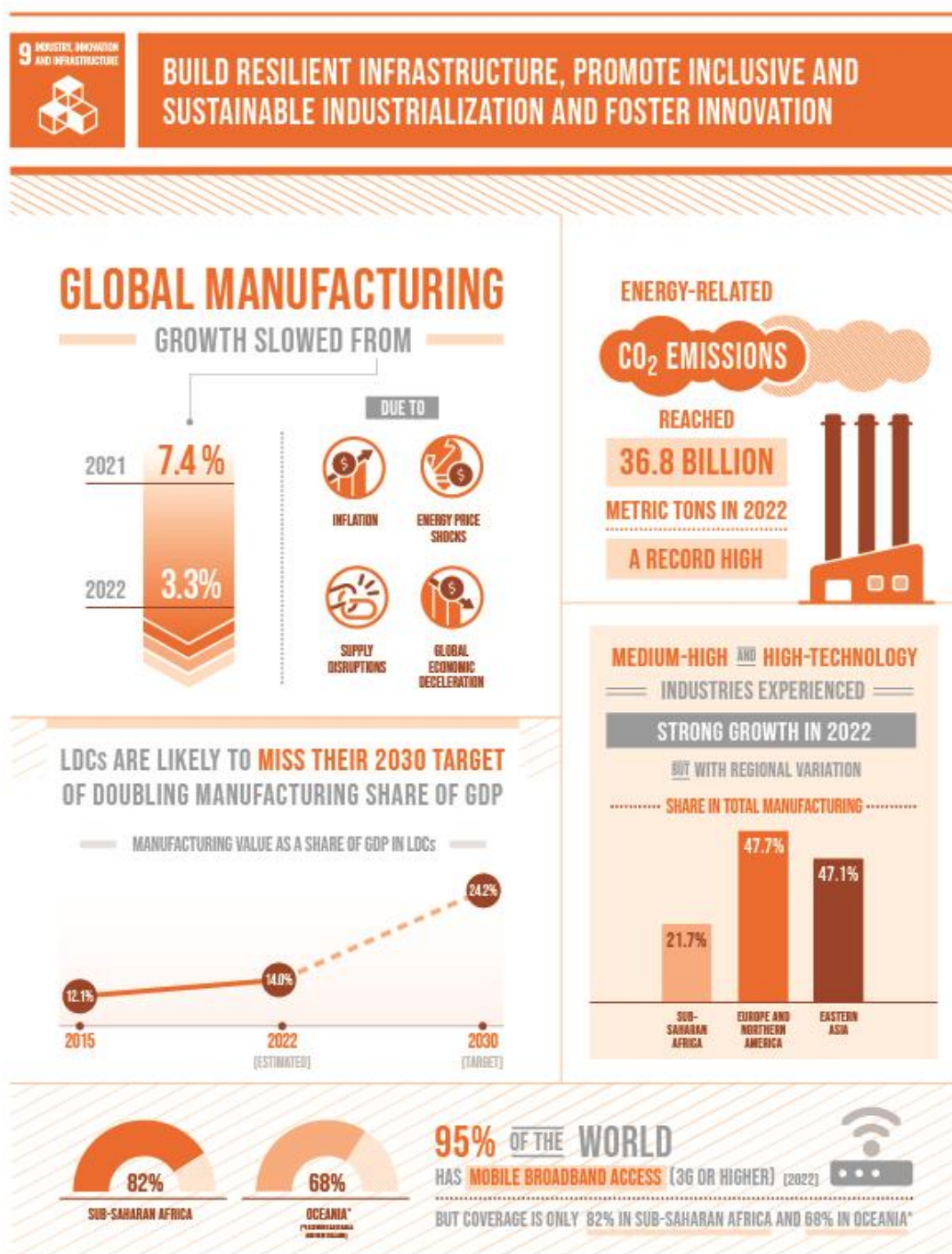


WITH YOUNG WOMEN MORE THAN TWICE AS LIKELY AS YOUNG MEN TO BE IN THIS SITUATION (2022)



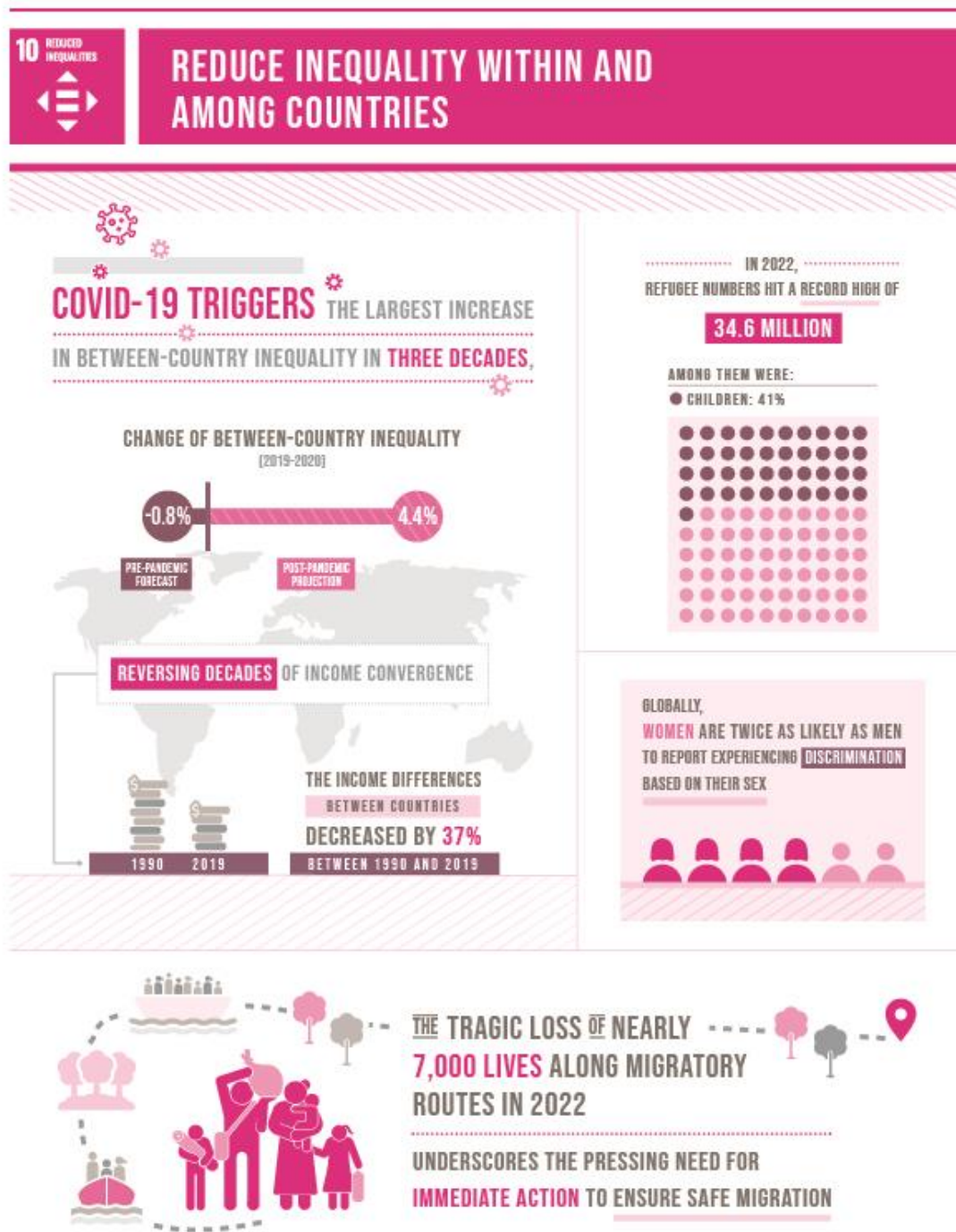
DURING THE PANDEMIC, 4 IN 10 ADULTS IN LOW- AND MIDDLE-INCOME COUNTRIES OPENED THEIR FIRST BANK ACCOUNT

SDG 9: Industry, innovation and infrastructure



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SDG 10: Reduced inequalities



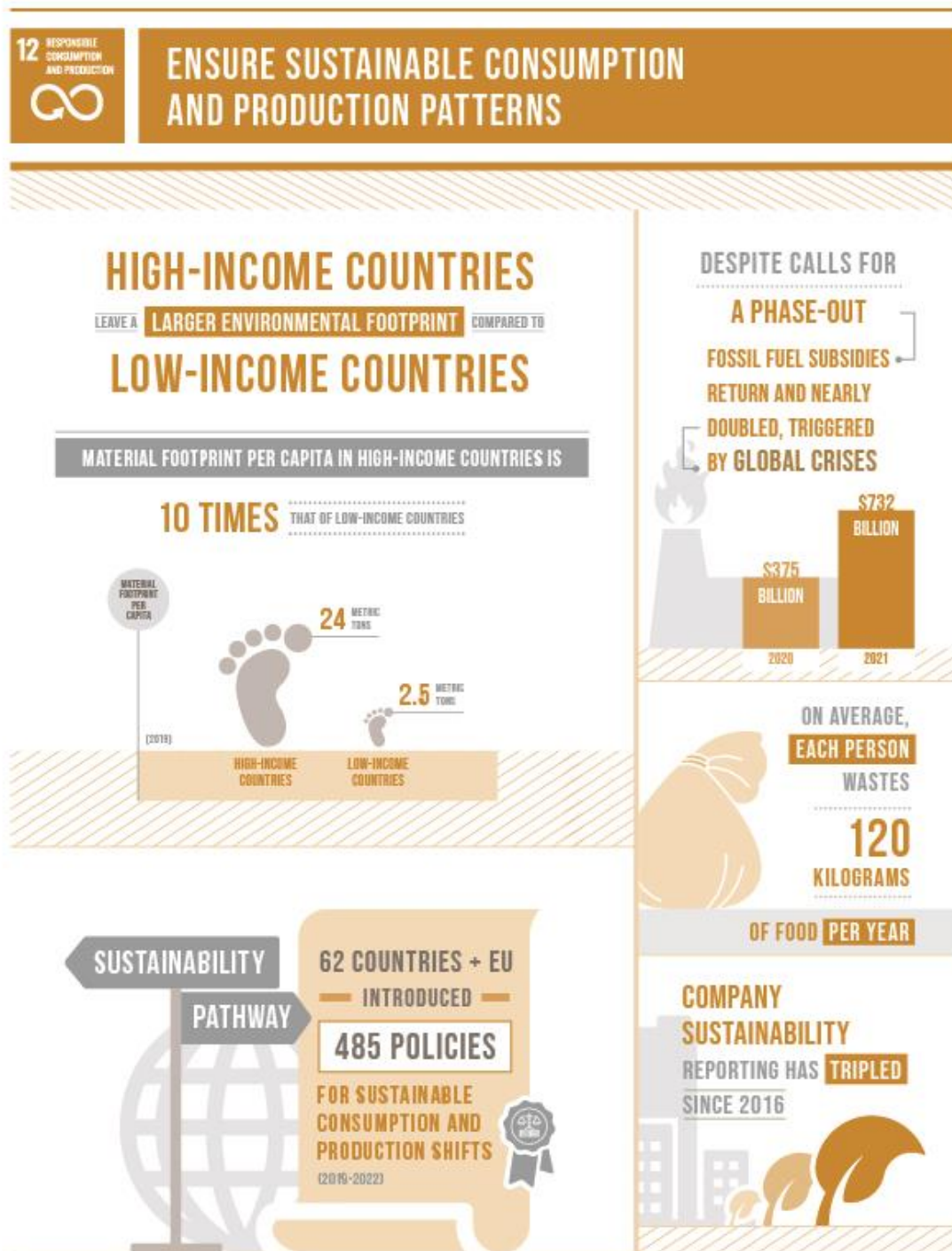
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SDG 11: Sustainable cities and communities



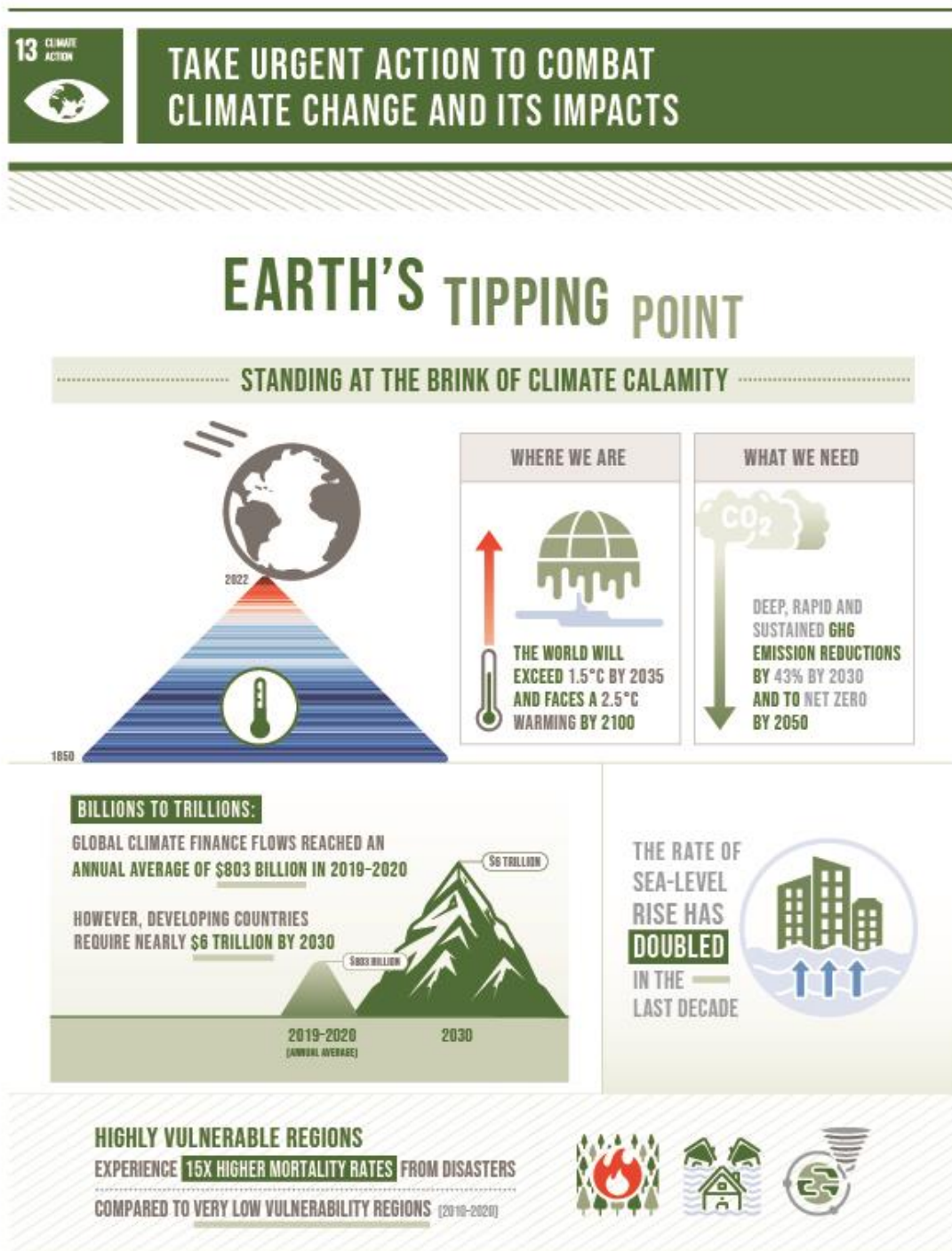
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SDG 12: Responsible consumption and production



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SDG 13: Climate action

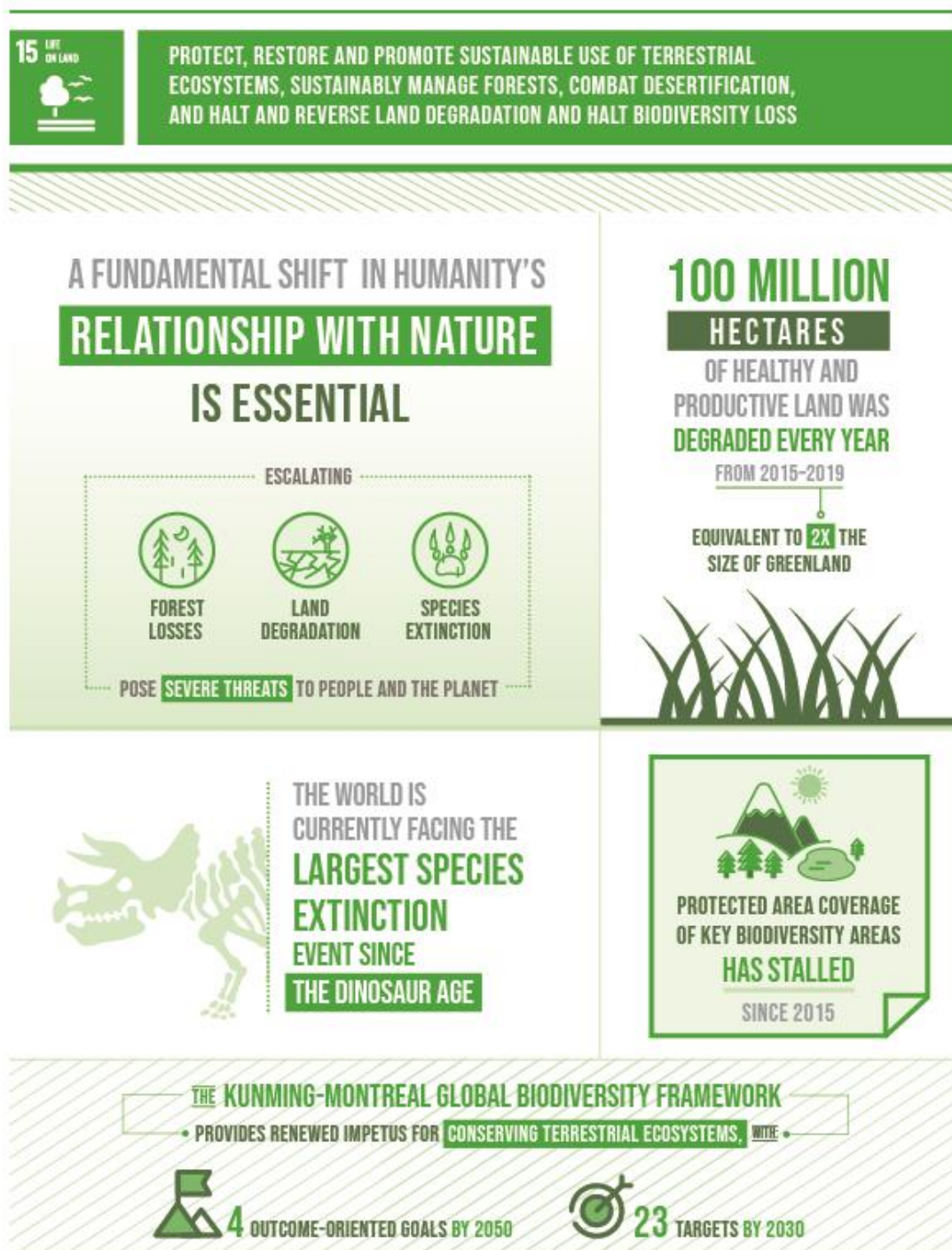


SDG 14: Life below water



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SDG 15: Life on land



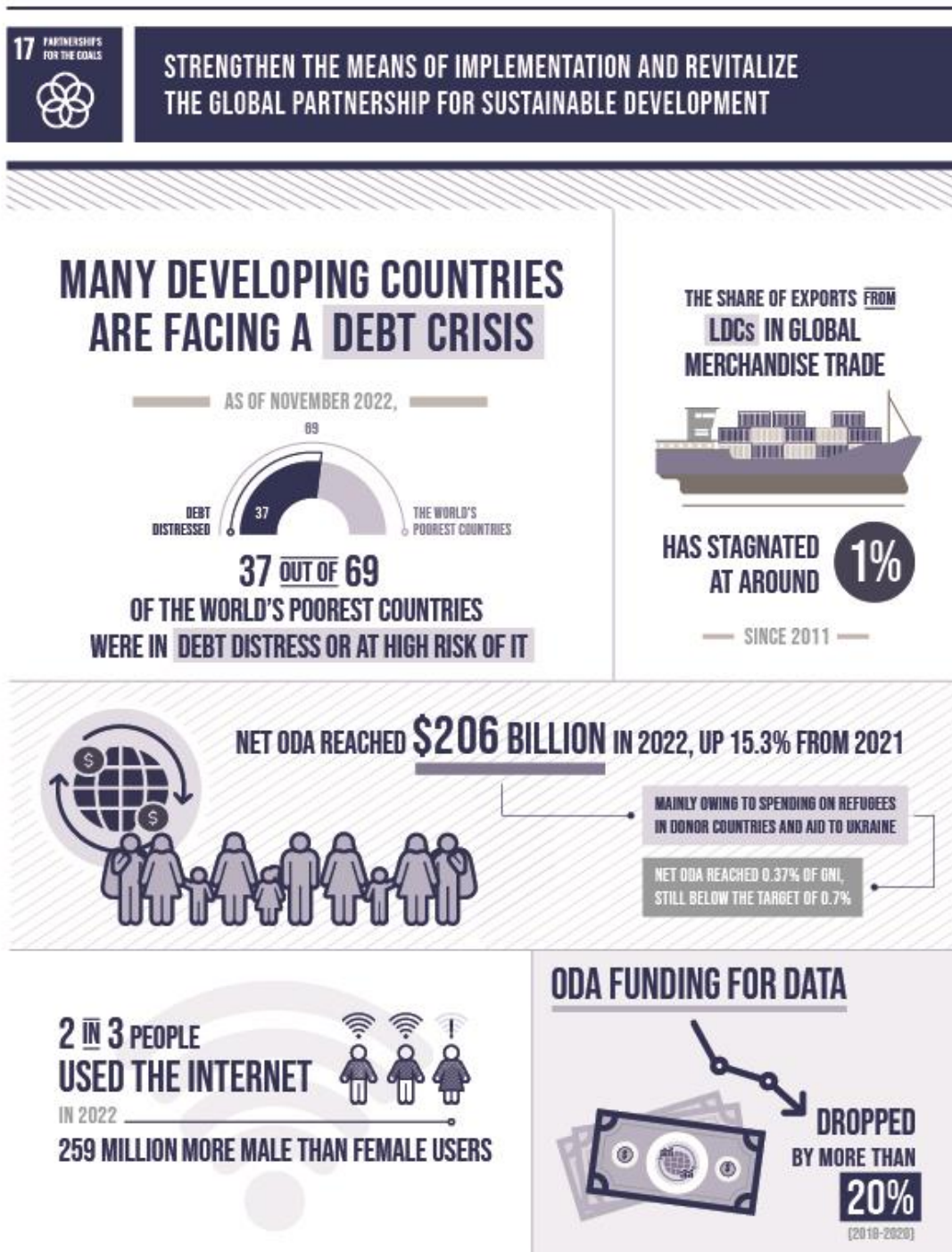
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PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS

 **51** _____
AVERAGE AGE OF MEMBERS OF PARLIAMENT

48

SDG 17: Partnerships for the goals



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