Women as actors in addressing climate change

Incorporating women’s empowerment and gender equality in the agreement from the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change
Table of contents

Introduction: .................................................................................................................. 5

I. Gender inequalities lead to a gender-differentiated impact of climate change .......... 7
   a) Women more affected by the frequency and intensity of disasters....................... 8
   b) Scarcity of natural resources increases the working time of women, makes their living conditions precarious and aggravates inequalities............................ 9
   c) Climate change increases health problems and impacts the sexual and reproductive rights of women ......................................................................................... 9

II. Women are insufficiently recognised as actors of sustainable development and of the fight against climate change ......................................................... 10
   a) Women play an essential role in the production of prevention, adaptation and mitigation strategies in the face of climate change ...................................... 10
   b) The contribution of women is little known, underestimated and undervalued in the roll-out of large-scale national public policies ........................................ 11
   c) Women do not have equal access to funding assigned to the fight against climate change ......................................................... 14

III. Strengthening gender equality and women’s empowerment, a priority axis to combat climate change ................................................................. 17
   a) Investing in favour of gender equality, a lever for sustainable development ............ 17
   b) Supporting women’s empowerment as a strategy to improve population resilience .... 19
   c) Integrating gender equality in sustainable development policies locally and nationally ................................................................. 21

IV. Conclusion and recommendations ............................................................................. 22

Glossary ....................................................................................................................... 25

Bibliography ............................................................................................................... 26
Acronyms and abbreviations:

CCAFS: Climate change, Agriculture and Food Security
ccGAP: climate change Gender Action Plan
CEDAW: Convention on the Elimination of all Forms of Discrimination Against Women
COP: Conference of the Parties
FAO: Food and Agriculture Organization of the United Nations
GCF: Green Climate Fund
GEF: Global Environment Facility
IFAD: International Fund for Agricultural Development
ILO: International Labour Organization
INDC: Intended Nationally Determined Contribution
IUCN: International Union for Conservation of Nature
NAMA: Nationally Appropriate Mitigation Actions
NAPA: National Adaptation Programmes of Action
OECD: Organisation for Economic Cooperation and Development
REDD+: National strategy for the reduction of greenhouse gases resulting from deforestation and forest degradation
SDG: Sustainable Development Goals
UNDP: United Nations Development Programme
UNFCCC: United Nations Framework Convention on Climate Change
UNFPA: United Nations Population Fund
WEDO: Women’s Environment and Development Organization
Introduction:

The challenge of the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC), or COP21, to be held in Paris from 30 November to 11 December 2015, is to reach an international agreement to limit the numerous negative impacts of climate warming which threaten the survival of our planet and its present-day 7 billion inhabitants. A good understanding of the challenges by all and the involvement of each and everyone are essential to reduce the vulnerabilities and strengthen adaptation capacities.

To combat the worsening of the consequences of climate change and promote sustainable and equitable development, in particular for the most disadvantaged populations, the Paris Agreement must promote concrete and ambitious strategies for adaptation, mitigation and technology transfers, combined with the necessary financial means, in particular via the operationalisation of the Green Fund, with the involvement in it of women on an equal footing.

Since the Convention on the Elimination of all Forms of Discrimination Against Women of 1979, many agreements and international studies have underscored the importance of the role of women in sustainable development. As regards the fight against climate change, their contribution is still not sufficiently acknowledged. In 2001 and since 2010, the decisions adopted by the Conferences of the Parties have very gradually included occasional mentions of gender approach and gender equality.

In 2014, the COP20 in Lima took an additional step with the adoption of a two-year work programme to strengthen the effective participation of women in the bodies of the UNFCCC, and to work on the operational implementation of policies taking gender into account. A first workshop on gender and mitigation was held in Bonn in June 2015.

However, to date, very few of the policies and initiatives to combat climate change do aim at effectively promoting the equal participation of women and including the reduction of inequalities in accessing one’s rights and control over resources, as well as capacity-building and empowerment of women, at the heart of their activities. We need to turn words into action.

To consolidate the first steps gained at recent COPs, and ensure a genuine political and financial commitment to gender equality, this advocacy document on ‘women, as actors in addressing climate change’, aims at explaining why it is crucial to explicitly integrate gender equality and women’s empowerment in the Paris Agreement and, more broadly, in the future strategies and funding of the fight against climate change.

Women are victims of climate change which affects them in a differentiated manner; despite the constraints weighing on them, they are in fact already actors in addressing climate change; they will be all the more efficient when they become empowered and can fully exercise their rights. They demand that the States turn their commitments in the Conferences of the Parties into deeds.
Gender inequalities lead to a gender-differentiated impact of climate change

Climate change affects more severely the people least responsible for greenhouse gas emissions and those with the most limited capacities to adapt to it. The majority of the poor are women who represent 70% of the 1.2 billion people with an income under 1 dollar a day.

Women, owing to the specific social roles assigned to them by our societies and the discriminations they must face, are doubly impacted by climate change. While they account for 60 to 80% of food production in developing countries, they hold only 10 to 20% of land titles.

In effect, being a woman worsens the vulnerability to climate shocks and to changes in the environment and the economy, particularly in a rural setting where the livelihoods of women and their families depend largely on natural resources (water, forest products, agriculture), highly dependent on climate hazards.

In addition, the resources and options available to women to adapt to climate change are highly limited by the inequalities affecting them: illiteracy is more frequent than among men; limited economic power owing to a lesser access to land ownership and credit. Last they are under-represented in the new technologies sector and careers in engineering everywhere in the world, which limits their participation in the management of innovatory technologies applying to climate change.

In short, their adaptation and resilience capacities are greatly constrained by gender social norms.

---

1 - Climate and Development Network, ‘Note on gender and climate’, 2015
4 - FAO, Economic and Social Perspectives – Policy Brief No. 8, Gender and Land Rights, 2014
5 - World Bank, ‘Gender at work, a companion to the World development report in jobs,’ 2014
a) Women are more affected by the frequency and intensity of disasters

The increase of the frequency and intensity of climate disasters (drought, storms, floods, ice melt), changes the cycle of seasons. The UNISDR (United Nations Office for Disaster Risk Reduction) mentions a recent report on 141 countries, which establishes that a greater number of women than men died following natural hazards and that this disparity is greatly linked to the inferiority of the socio-economic status of women in comparison with that of men. In societies where the place of women is restricted to the private and reproductive sphere, survival skills are taught more to boys than to girls. While access to information and education on climate issues are essential to face up to them, women rarely receive information on the subject. Their capacity to respond is therefore lower.

Post-disaster consequences must also be borne in mind: while one woman in seven in the world suffers gender-based violence, these increase in post-disaster situations or in relief camps themselves. The destitution resulting from climate change may also lead to the de-schooling of little girls and their early marriage. Women are also generally excluded from consultations and decisions on post-disaster recovery actions.

The available studies confirm the greater vulnerability of women:
- When a climate disaster occurs, women, being less prepared, are more vulnerable: 80% of the victims of the Sidr cyclone and 61% of Nargis in Myanmar were women and girls.
- In 2008, when cyclone Nargis devastated Myanmar, 55% of the victims were women; on an economic level, the cyclone led to the loss of the main source of income for 87% of single women and 100% of married women.
- After the hurricane in Bangladesh, the families of the village of Barguna decided to marry their daughters precociously due to their precarious living conditions. 50% of the girls therefore left school. In remote villages, the rate was 70 to 75%.

7 - GGCA, IUCN, UNDP. ‘Training manual on gender and climate change’, 2009
9 - UNFPA, WEDO ‘Women in the front line’, 2009
b) Scarcity of natural resources increases the working time of women, makes their living conditions precarious and aggravates inequalities

Drought, floods, erosion, melting of glaciers, the salinization of water and sea-level rise have direct economic impacts, such as the decrease in fishing resources, lower soil fertility and decreased crop yields and a lack of clean and safe drinking water. The scarcity of water and wood resources lengthens the distance to get them and directly impacts the working time of women. Women deal almost alone with household chores (collecting wood, fetching water) which absorb them for several hours a day, and young girls are particularly called on, sometimes entailing termination of their schooling. The scarcity of water and wood resources lengthens the distance to get them and directly impacts the working time of women. This lack of time makes women worse off and further limits the possibility for them to exercise paid, complementary activities, necessary to cope with incompressible needs and expenses.

Drought, floods, erosion, melting of glaciers, the salinization of water and sea-level rise have direct economic impacts, such as the decrease in fishing resources, lower soil fertility and decreased crop yields and a lack of clean and safe drinking water. The scarcity of water and wood resources lengthens the distance to get them and directly impacts the working time of women. Women deal almost alone with household chores (collecting wood, fetching water) which absorb them for several hours a day, and young girls are particularly called on, sometimes entailing termination of their schooling. The scarcity of water and wood resources lengthens the distance to get them and directly impacts the working time of women. This lack of time makes women worse off and further limits the possibility for them to exercise paid, complementary activities, necessary to cope with incompressible needs and expenses.

Clim ate change has a proven impact on the health of women, especially on malnutrition and sexual and reproductive health. Young girls and pregnant or breastfeeding women are among the most vulnerable. Thus, the spread of malaria and malnutrition resulting from climate hazards are also additional risk factors, especially for pregnant women. Infection of the placenta by the parasite and the ensuing anaemia it causes in the mother can lead to low birth weight which, in turn, is responsible for a rise in child mortality and poor child development.

In disaster-stricken areas, women are all the more vulnerable, as the supply of health care and of family planning and reproductive health products and services is even more deficient than in normal situations. This lack of care can lead to a rise in the maternal and child death rate. In addition, only very rarely do emergency shelters offer services and hygiene materials for women. In Ethiopia, for example, where climate change is leading to food or water shortages, social norms, especially in rural areas, are worsening malnutrition among girls and women as they eat only after feeding the rest of the family; which often means there is barely any food for them.

Recognition of the gender-differentiated impact of climate change in the framework of the COP21 agreement is the first step in setting in place adapted and effective solutions, as well as long-term policies to address climate change that will increase the resilience capacities of women by supporting their empowerment, their access to rights and challenging gender inequalities.

10 - Christian Aid, “Climate Justice for All: putting gender justice at the heart of the Paris Climate change agreement”, 2015
Women are insufficiently recognised as actors of sustainable development and of the fight against climate change

Though women have always been in a situation of vulnerability and considered as secondary stakeholders, they are already key actors of sustainable development whose contribution to the fight against climate change must be recognised and can be strengthened.

a) Women play an essential role in the production of prevention, adaptation and mitigation strategies in the face of climate change

A study made by the World Bank\(^{11}\) noted that the adaptation strategies used by women and men differ significantly. Men focus on large-scale interventions such as irrigation for example, while women place greater emphasis on concrete and community improvements (independent of major projects).

Women in fact use their traditional know-how in various fields: seeking new or alternative sources of water, planting new varieties of crops, promoting biodiversity and setting in place diversified productive activities to increase household income. They also play a role in the implementation of measures to mitigate greenhouse gas emissions in daily life: conservation agriculture, energy- and water-saving practices, recycling activities.

In Cotonou, thanks to access to external funding\(^{12}\), the ‘Gohotos’ — women reclaimers — have set up an effective management system for solid household waste, which has become permanent. The ‘Gohotos’ recycle plastics, bottles and metallic objects, which they sell on the market. Organic wastes are transformed into fertilisers and sold to gardeners of the city for their vegetable crops. For more than 90 years, and five generations, they have been diverting tons of waste from landfill sites and earning their living by managing a micro-firm, fighting daily for their autonomy while transmitting this tradition from mother to daughter.

Women therefore have the local environmental knowledge which, when combined with modern techniques and technologies, contributes to a more effective adaptation response.

---

11 - IFAD, The Gender Advantage Women on the front line of climate change, 2014
12 - OXFAM Quebec, Progress report on the activities of women reclaimers. Project for the management of solid household waste (PGDSM) in Benin, Section: Reclamation of inorganic materials by women reclaimers, 2008 and Cotonou: How to trigger the people’s take-up of WASH? http://fr.ircwash.org/blog/cotonou-comment-susciter-un-sursaut-populaire-autour-de-leha-%C2%BB,
b) The contribution of women is little known, underestimated and undervalued in the roll-out of large-scale national public policies

The lack of awareness of the contribution of women to climate change policies has two explanations. First, women act and make a large contribution locally, which is a low-profile, less recognised level. Second, they remain widely under-represented in public policy development and decision-making bodies.

Therefore, large-scale agricultural and rural development schemes often neglect women and their knowledge. They are rarely consulted or involved in decision-taking. In Sri Lanka for example, women from rural villages do not benefit from the major irrigation programmes. They have therefore rolled out alternative strategies to obtain purified water for various uses, thanks to small irrigation reservoirs close to their houses, which provide clean water to all the villagers.

As regards mitigation, the frameworks and policies to combat climate change have not yet integrated the importance of women's contribution. Only a few decisions on REDD+ and response measures take account of gender equality, without any reference framework or guide. However, these decisions target women as actors of development, but mainly as vulnerable groups.

It is therefore important to target public policies and funding mechanisms specific to women's local-level projects, as well as promote the participation of women in decisions on both small and large-scale operations. In this connection, we should seek mechanisms allowing for the setting-up of small-scale projects and responding to women's energy needs (for instance with the improvement, in households, of cooking techniques and water drawing techniques, and more generally with access to energy: solar, wind, biogas, biomass, etc.).

13 - UNFPA, WEDO, Climate Change Connections, Making NAPA work for women, 2009
16 - WEDO: http://www.wedo.org
2/ Women are under-represented in the governance processes of the fight against climate change

The gender issue has been taken into account only late and very gradually in the framework of the negotiations on climate change. To date it is very insufficiently taken into account.

I – Initial steps regarding the representation of women: The gender topic appeared at the 7th COP in Marrakech in 2001, in a rather weak language though it was presented in the preamble as a ‘contribution to the Beijing Action Platform of 1995 and the gender equality goal’. It aimed at ‘improving the participation of women in the bodies of the UNFCCC (…), noted the need for more equitable representation in the bodies and invited the State-Parties to actively consider the appointment of women to elected positions’ (36/CP.7). The decisions calling for enhanced parity in the Technology Executive Committee in Cancun (1/CP.16), then in the Adaptation Committee and the Green Climate Fund in Durban (2 & 3/CP.17) are in the same weak vein.

A step further was taken in Doha in 2012 with a decision entitled ‘Promoting gender balance and improving the participation of women...’ (23/CP.18) and mentioning the CEDAW. Its phrasing reflects the difficulty in achieving a compromise; the advances in terms of the broadening of the field of involvement of women went hand in hand with a climb-down regarding the expression ‘gender equality’, which was relegated in favour of ‘gender balance’. Noting the persistent under-representation of women in the UNFCC bodies, the Parties admit the need for ‘additional efforts’ and ‘adopt a goal of gender balance in the bodies in order to improve women’s participation and inform more effective climate change policies that address the needs of women and men equally’. The decision invites ‘other institutions to be guided by the goal of gender balance, with the aim of a gradual but significant increase in the number of women’ in the bodies and also in the delegations. The Secretariat is invited to draw up an annual report on the representation of women; the gender issue is enshrined as a permanent point of the agenda, ‘to track progress made towards the goal of gender balance in advancing gender-sensitive climate policy’, with a review clause in 2016.

The Lima work programme on gender (18/CP.20) adopts a global approach and covers several strands (political and technical). It decides anew, two years after Doha, to ‘enhance the implementation of prior decisions to advance ‘gender balance’ and call for ‘additional efforts’ as regards participation’. It establishes a two-year work programme for promoting gender balance and achieving gender mainstreaming in policies combating climate policy; the programme should ‘clarify the integration of gender considerations into policies and give it an operational character with the development of guidelines and tools.’ Two workshops are programmed: one in June 2015 on ‘gender and mitigation and technology transfers’ and the other on ‘gender and adaptation and capacity-building’ to be held in 2016.

17 - In-session workshop on gender-responsive climate policy with a focus on mitigation action and technology development and transfer, Bonn, 8–9 June 2015. (http://unfccc.int/gender_and_climate_change/items/9863.php)
2 – Introduction under the adaptation strand, then broadening to other policies: It was also in Marrakesh, by decision 28/CP.7, that the operational mentioning of the principle of ‘gender equality’ was introduced, among 8 others, that are to guide the development of national adaptation programmes of action for the least developed countries (LDC). In 2010, the Cancun COP mentions under different points the gender issue (decision 1/CP.16, points 7 and 12): the preamble mentions the need to engage a broad range of stakeholders (subnational and local government, civil society, youths and the handicapped) and follows suit with this wording: ‘gender equality and the effective participation of women and indigenous peoples are important for effective action on all aspects of climate change’. The section on adaptation then ‘affirms that enhanced action on adaptation should follow a country-driven, gender-sensitive, participatory and fully transparent approach.’ Last, it is mentioned under the REDD+ chapter and under that regarding gender representation in the Technology Executive Committee (cf. supra).

In Durban, it is briefly mentioned under the ‘safeguards’ and ‘capacity-building’ points (2/CP.17). The Doha work programme (15/CP.18) enshrines ‘gender and inter-generational solidarity’ as a transversal issue concerning the 6 aspects of Article 6 of the Convention, regarding education and public awareness. The Warsaw International Mechanism for Loss and Damage (2/CP.19) integrates the need to collect sex-specific data; it also invites the GEF to assess the manner in which it contributes to gender-sensitive approaches. Last, the Lima COP notes in the preamble to decision 1/CP.20 that ‘all the processes should ensure a gender-responsive approach’ and refers to its integration in the GEF and the Green Climate Fund (infra). See above for the more global Lima work programme on Gender, 2014.

Despite decisions 36/CP.7, 23/CP.18 and 18/CP20 mentioned above, women remain largely under-represented in the mechanisms and bodies of the Convention as in the national delegations, as shown in the report by the UNFCCC secretariat (FCCC/CP/2014/7).

These disparities are repeated at the national and local level where women’s organisations and women are generally under-represented in consultation and decision-making bodies. Research undertaken in 2015, in 69 villages and 18 REDD+ sites in 5 countries (Brazil, Cameroon, Indonesia, Tanzania and Vietnam) shows that the representation of women in local decision-making committees is limited (17%) and that their knowledge of REDD+ mechanisms is far lower than that of men, whereas they work as much, and even more, in forests.

The inequalities between women and men and the needs of women in REDD+ policies are not therefore properly taken into account. This has an equally negative effect on the efficacy of this mechanism in combating climate change.

---

18 - Mentioning of ‘gender equality’ (and not ‘gender balance’)
c) Women do not have equal access to funding assigned to the fight against climate change

The issue of funding allocated to projects addressing climate change is pivotal in accompanying the mitigation and adaptation efforts made by developing countries at the national and local level. In Sub-Saharan Africa, the financial needs for adaptation are estimated between 20 and 40 billion dollars a year.

However, 70% of the funds are assigned to high-tech and large-scale projects, which are mainly managed by men alone\(^\text{20}\). Only 30% of the funds are allotted to the small projects of rural communities, which are only partly run by women and insufficient to allow them to improve their working conditions and family living conditions.

The funding of operations to promote the access of women to information, training and their participation in all the stages of the development process of a programme, has a decisive impact on the efficacy of public policies, such as on warning and evacuation systems, by reducing the number of fatalities.

Unlike bilateral agencies and multilateral banks which have adopted their own gender mainstreaming policies since the past few years, the Funds of the UNFCCC and the Kyoto Protocol have only recently begun to adopt their gender strategies and action plans. It is therefore difficult at this stage to assess the impact of their commitments, except for the GEF.

---

2 – The Funds of the Climate Convention and the Kyoto Protocol have just set up Gender Action Plans:

The World Environment Fund (WEF)\textsuperscript{22}, adopted a gender mainstreaming policy in 2011 and an action plan in 2014, applicable in the 6th replenishment cycle of the Fund 2015-2018. During the workshop in Bonn in June, the WEF reported on an improvement in gender mainstreaming in its mitigation projects, mentioning 8% in 2011, 25% in 2013 and 18% in 2014\textsuperscript{23}. The three funds managed by the WEF (LDC Fund, Special Climate Change Fund and Fund for the focal area of climate change (mitigation), should also apply the WEF Gender Action Plan.

The Green Climate Fund\textsuperscript{24}, announced in Copenhagen, whose appropriation is scheduled to reach 100bn$ in 2020, has been set up under the financial mechanism of the Cancun Convention in 2010 (art.11). It will receive a significant percentage of the new multilateral funding for adaptation. Decision 3/CP.17, which marked its ‘political’ launch in Durban in 2011, calls for ‘geographical and gender balance’ in the Board (only the former is defined and therefore applied; undefined, gender balance stands at 4 women out of 24 members, i.e. 17%; the fact that the Executive Director of the secretariat is a woman, Ms Héla Cheikhrouhou, does not redress the ‘balance’). Decision 3/CP.17 sets forth among its goals to ‘promote the environmental, social, economic and development co-benefits and take a gender-sensitive approach.’ The GCF entered fully into operation in 2015 and its gender strategy was adopted, not without debates, in March 2015.

Created in 2012, the Adaptation Fund adopted in May 2015 the guidance principles for ‘implementing entities’ on compliance with the Adaptation Fund Environmental and Social Policy\textsuperscript{25}. It is to be noted that, unlike principles 4 ‘compliance with human rights’ and 6 ‘compliance with ILO core labour standards’, which should be systematically applied, the application of principle 5 ‘gender equity and empowerment’ may vary: ‘more specific, to be used according to its relevance for a particular project/programme’...

\textsuperscript{22} - https://unfccc.int/files/gender_and_climate_change/application/pdf/03_aoki_gef.pdf
\textsuperscript{23} - Gender mainstreaming and GEF (in-Session workshop on Gender-Responsive Climate Policy, 8-9 June 2015)
\textsuperscript{24} - Decision 1/CP.16 of the UNFCCC
The following principles and actions should therefore allow more systematic gender mainstreaming in international climate funding:

- Support for adaptation and mitigation actions must not neglect micro-projects because a majority of women run micro, small and medium enterprises;
- Adoption of explicit criteria on gender equality in performance goals, result monitoring frameworks and the review of funding;
- Adoption of measures promoting the participation of women and of women’s organisations in the national mechanisms for the coordination and allocation of funding;
- Compliance with parity in bodies taking decisions and those granting funding.

Note is to be made of the importance of the allocation of structural budgets for the operational implementation of the Lima work programme on gender and the importance of the development of gender-sensitive budgeting mechanisms for international development programmes linked to the implementation of SDG and especially Goal 5 on achieving gender equality and empowering all women and girls.

Bangladesh, training of adult women on board a ‘floating school’, a project of the NGO Shidhulai Swanhv Sangstha to allow children to continue schooling during floods worsened by climate change © Abir Abdullah/ Shidhulai Swanhv Sangstha
Strengthening gender equality and women's empowerment, a priority axis to combat climate change

Empowerment stands for a process of awareness of and concrete implementation, both individual and collective, of the capacities of women to decide on their own life, by strengthening their understanding and allowing them to have greater control over their social, economic, political and ecological conditions.

a) Investing in favour of gender equality, a lever for sustainable development

Let’s use a concrete example. The increase in the domestic workload resulting from drought or desertification impacts whether girls pursue their schooling and their chances of completing a full cycle of education. Similarly, the reduction of biodiversity causes an increase in the risks of malnutrition which particularly affect children and women. There is therefore a direct link between climate change and the future Sustainable Development Goal 13 ‘Take urgent action to combat climate change and its impacts’.

More broadly, many international studies show that the improvement of women’s rights, especially as regards education and sexual and reproductive rights, has multiplier effects on the three pillars of sustainable development: economic and social (largely interwoven) and environmental.

At the economic and social level:

> In its 2012 report\textsuperscript{26}, the FAO emphasises that, if women had equal access to land and to economic and productive resources, that would help to nourish an additional 150 million people and would considerably contribute to food security. For the World Bank, the rise in the access of women to education and control over household income directly impacts the state of health and access of children to schooling\textsuperscript{27}.

> Investing in girls’ education is rightly set as a prerequisite for development. An educated woman controls her fertility and her life choices, especially because education has allowed her to move on from the status of a permanent minor to independence, thanks to an economic and professional activity, and she can thus consequently contribute to the fight against climate change. More difficult to quantify is the greater independence with respect to the spouse or the extended family. If the education system is overloaded, an alternative strategy based on reproductive health is far more effective in the short term.

> In effect, the access of women to sexual and reproductive health and rights not only impacts the reduction in child mortality, state of health of women, and education and nutrition of children, but also strengthens their capacities to intervene concretely on climate issues. However, too few women, especially poor ones, in developing

\textsuperscript{26} - FAO, The State of Food and Agriculture: Women in agriculture, Closing the gender gap for development, 2010-2011
\textsuperscript{27} - World Bank, Report on development in the world, Gender equality and development, 2012
countries, have access to modern contraception. According to the annual report of the United Nations Population Fund (UNFPA) on the State of the world population 2012, the necessary funding to ensure access to quality family planning for the 867 million women of child-bearing age in developing countries is far from being secured. According to the report, 222 million of the latter do not enjoy any access to family planning tools.

At the environmental level

- The access of women to the simplest technical innovations (improved stoves halving the consumption of firewood, installation of manual or pedal-operated pumps, urban water kiosks...), and to renewable energies, such as solar, wind and small-scale hydraulic energy, directly impacts their health, improves sustainable consumption in households, and reduces expenditure and domestic work time for women. The impact in terms of the mitigation of greenhouse gas emissions should be quantifiable.

- In Georgia, for example, a gender-sensitive pilot scheme has helped train 50% of women in the maintenance of solar panels (for 400 families), traditionally reserved for men, allowing them to secure greater decisional, economic and financial autonomy. It has also reduced daily domestic working time, freeing time for new activities. The reduction in greenhouse gas emissions has been estimated at 700kg per household, and that of firewood expenditure at 32%. This effective community-level initiative will be used and replicated as part of the roll-out of NAMA (Nationally appropriate mitigation actions).

28 - World Bank, Report on development in the world, Gender equality and development, 2012
29 - Gamisonia N. Rural Community Development Agency (RCDA), Georgia: « Proposal for equitable, climate-proof and sustainable development: a gender-sensitive nationally appropriate mitigation action (NAMA) for the energy sector in Georgia », Bonn Workshop, 8-9 June 2015
30 - Plan National, Nationally appropriate mitigation actions (NAMA)
The strengthening of the capacity of women and their empowerment at the individual, social and citizen level can be organised into a strategy to increase the resilience of populations faced with climate change. All the experiences converge to demonstrate the feasibility of a resilience strengthening strategy through women’s empowerment.

The proposed strategy is based on the idea developed above that the empowerment capacity depends on the institutions which permit or do not permit access to the various resources, such as information, mobility, knowledge, technology, and economic and financial resources. It is intrinsically related to the concepts of adaptation, mitigation and resilience used in combating climate change.

The creation of these new opportunities requires the roll-out of sustainable policies and development programmes mainstreaming gender.

The strategy should therefore envisage actions and public policies taking account of the practical needs and strategic interests of women in accordance with three main goals:

- Strengthening of their capacities to make personal choices and implement them
- Support for their economic empowerment
- Strengthening of their collective action capacities and capacities for citizen and political influence

By mobilising these three axes and promoting the know-how and contributions of women a virtuous circle would be created, conducive to a reduction in the impacts of climate change on the most vulnerable families by improving the resilience of women and families.

The following table presents the direct and long-term impacts of women’s empowerment on climate change, it being understood that there are interactions between the various levels.
The following table presents the direct and long-term impacts of women’s empowerment on climate change, it being understood that there are interactions between the various levels.

<table>
<thead>
<tr>
<th>WOMEN’S EMPowerMENT AND GENDER EQUALITY</th>
<th>DIRECT IMPACTS: improvement of women’s resilience</th>
<th>IMPACTS in the long term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rights and capacities to make choices</td>
<td>Reduction of the impact of natural disasters on the most vulnerable populations</td>
<td>Reducing of greenhouse gases</td>
</tr>
<tr>
<td>Access of women to mobility, rights, education, training, information and health, especially sexual and reproductive health</td>
<td>Access to, control over and management of sustainable energies</td>
<td>Inclusive growth</td>
</tr>
<tr>
<td></td>
<td>Birth control and improvement of living conditions</td>
<td>Social justice</td>
</tr>
<tr>
<td></td>
<td>Improvement of the health and nutrition of families and decrease in women’s mortality</td>
<td>Sustainable development</td>
</tr>
<tr>
<td>Economic empowerment</td>
<td>Promotion of biodiversity, and of healthy and sustainable agriculture</td>
<td></td>
</tr>
<tr>
<td>Access to technologies and decent work and control over economic and productive resources</td>
<td>Reduction of malnutrition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economic diversification, increase in income and reduction of poverty of women and families</td>
<td></td>
</tr>
<tr>
<td>Strengthening of collective capacities and capacities for political and citizen influence</td>
<td>Participation in the management of resources (water, forests, energies, agriculture...)</td>
<td></td>
</tr>
<tr>
<td>Participation in political, economic, social and environmental decisions</td>
<td>Sharing of roles and of productive, reproductive and social responsibilities between women and men</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Taking greater account of the needs and interests of women and men and improvement of the efficacy of environmental policies</td>
<td></td>
</tr>
<tr>
<td>Promotion of the know-how and contributions of women to the fight against climate change</td>
<td>Promotion of sustainable alternative solutions with a strong environmental and social impact</td>
<td></td>
</tr>
</tbody>
</table>
c) Integrating gender equality in sustainable development policies locally and nationally

Action in support of women’s empowerment and gender equality must be more widely integrated in the strategies addressing climate change, locally and nationally. Gender issues should appear in the assessment of needs, impact studies, programming, budgeting and the assessment of programmes, as defined in the Gender work programme adopted at COP20.

These principles are already implemented operationally in the climate change gender action plans (ccGAP), and are developed and supported by the International Union for Conservation of Nature (IUCN). CcGAPs are recognised as innovatory strategies with a unique methodology for training and strengthening the capacities of women and women’s organisations. They mainstream the gender approach in the planning and implementation of national climate change policies. To date, 14 countries have been accompanied by the IUCN, such as Haiti, Mozambique, Mexico, Nepal, Jordan and Liberia.

In Mexico, the initiative taken by the Alliance Mexico REDD+ in cooperation with the IUCN and the UNDP has strengthened national capacities as regards gender mainstreaming in the environmental sector and allowed it to be integrated in the framework of the Mexican political instruments and environmental laws related to REDD+. This was achieved in particular by analysing the legal and social barriers encountered by women, mobilising women’s and environmental organisations, and setting in place a multiple-partner national consultation which makes operational recommendations.

This process has been successful and has integrated operational work axes on women and gender equality in the National climate change programme 2014-2018 and in the National REDD+ strategy. Mention can be made of the setting in place of support measures for the participation of women in forestry management and sustainable agriculture activities, their equal access to hydraulic resources, adoption of gender equality criteria and of transparency in the management of the Funds, and access of women to financial services and technologies.

To set a territorial approach in place, the analyses between geographical, territorial, economic and social inequalities and gender must be correlated in order to propose adapted solutions that can lead to results at community level. Therefore investing in local authorities is a relevant line of work.

Vietnam © Thanh Hoa / CARE – Mangrove rehabilitation / coastal ecosystems (gender mainstreaming, adaptation and mitigation)

---

32 - Alliance Mexico REDD+, ‘Gender mainstreaming in political instruments and laws related to climate change and REDD+’, Mexico 2014
Conclusions and Recommendations

It is thus clear that the roll-out of effective, equitable and sustainable policies addressing climate change requires placing the reduction of gender inequalities and women’s empowerment at the heart of the analyses and actions undertaken. These challenges should be recognised in the conclusions of COP21 so that the Parties commit genuinely to gender equality.

The movement must be consolidated. So far indeed, on 7 September, only 7 countries have included a gender perspective or mentioned projects involving women, in their intended nationally determined contributions (INDCs) out of the 31 submitted (including the EU, 58 countries) whereas INDCs project their commitments for the post-2020 period. States that have not yet submitted their INDCs should be encouraged to include the gender dimension; this issue should also be addressed in the envisaged process of periodic revision of INDCs.

The mainstreaming of gender issues must comprise three levels: 1) Recognition and taking into account of gender-differentiated impacts of climate change; 2) Recognition and promotion of the know-how and contributions of women in adaptation and mitigation strategies and 3) Support for genuine policies for the reduction of inequalities and women’s empowerment. The conjunction of these three dimensions will maximise the benefits of climate change policies in terms of population resilience and of the elaboration of genuine sustainable development strategies.

What goals for COP21?
(excerpt from the document 'Dérèglement climatique, négociations internationales et préparation de la COP21) pdf MAEDI June 2015)

- Define an action framework to keep average warming below 1.5 or 2°C, adapt societies to climate change and promote low-carbon development
- Build a ‘Paris climate alliance’ meeting these challenges and incorporating:
  - A legally binding universal agreement: An essential challenge, the Paris agreement must be universal, ambitious, balanced, sustainable, dynamic and significant
  - National contributions: Each country is invited to submit well before COP21 a document stating its mitigation or adaptation actions which are to be as ambitious as possible in terms of respective capacities and responsibilities
  - A funding component: This aims at getting developed countries to raise 100 billion dollars a year, from public and private sources, by 2020, to fund the fight against climate change in developing countries, and more broadly to support and accelerate the transition of all countries to resilient and low-carbon economies
  - The Lima-Paris Action Plan (embodiment of the ‘Agenda of Solutions’): This Plan is based on the strong involvement at the September 2014 Summit in New York; it accompanies and strengthens the emergence of international partner-based dynamics involving governmental and non-governmental players (local and regional governments, businesses, civil society), implementation of concrete measures, exchange of good practices and transfer of know-how.

33 - Mexico, Morocco, Ethiopia, Kenya, Benin, Democratic Republic of Congo, Dominican Republic (site UNFCCC)
RECOMMANDATION 1: Incorporate women’s empowerment and gender equality in the COP21 Agreement

It is important to re-establish the dimension of human rights, which include women’s rights and the promotion of gender equality, in the Agreement to be adopted at the end of COP21. The international instruments on sustainable development – Convention on Biological Diversity, United Nations Convention to Combat Desertification, just like the Rio Conference Principles and those of Rio + 20 – explicitly mention the vital role of women, the need to guarantee the exercise of their rights and the promotion of gender equality in sustainable development. These key factors of the social component of sustainable development do not appear in the United Nations Framework Agreement on Climate Change of 9 May 1992, nor in the Kyoto Protocol.

1.1 – The HCEfh working group demands that the following statements appear in the Agreement to be concluded in Paris (and not only in the COP21 decisions):

- Statement of the importance of respect for human rights and of the promotion of women’s rights and gender equality in the Preamble to the Agreement;
- Specific statement of the need to integrate, as guiding principles, human rights and the principle of gender equality as well as the full participation of women in all aspects of climate change policies, in the section that is presently section C of the draft Agreement.

1.2 – We demand that COP21 Decisions adopted complementarily to the Agreement itself should include specific statements calling for better promotion of the contribution of women and a strengthening of it for the benefit of all, regarding each component of the fight against climate change: mitigation, adaptation, losses and damage, funding, technology development and transfers, capacity-building.

- Mention must also be made of women’s empowerment and gender mainstreaming as principles that are to guide the action of the bodies of the Convention and of the States Parties, both nationally and locally;
- The necessary funding must be allocated to analysing specific vulnerabilities and underlying causes of gender inequalities in the face of climate change, on the basis of regular updating of sex-specific data.

1.3 – We demand full implementation of the Lima Gender Work Programme. We note that new “additional efforts” must still be envisaged so that the outcome of the goal set to enhance the participation of women in bodies established pursuant to the Convention and in the delegations (23/CP.18), to be reviewed also in 2016, effectively translates and fleshes out the commitments taken, as well as to the principle of equality. We call for the operational implementation of the expertise developed in the workshop of June 2015 and in that planned in 2016, at the international, national and local level.
**RECOMMENDATION 2:**
**Promote and support genuine mainstreaming of gender and of women’s empowerment, in all policies and all programmes on adaptation, mitigation and technology access and transfer**

2.1 – We demand recognition of the contributions of women and improvement of their participation, and that of women’s organisations, in developing climate change mitigation and adaptation programmes, on the basis of national processes of participatory consultation and governance. We suggest the promotion of a few initiatives of the Lima-Paris Action Plan having a strong impact on the combating of climate change and on the reduction of gender inequalities and women’s empowerment.

2.2 – We demand that the mitigation and adaptation programmes and strategies, including the Lima-Paris Action Plan initiatives, be developed by analysing gender inequalities and differentiated social roles and by fixing goals on inequality reduction, empowerment and social transformation.

2.3 – We demand the development of access to renewable energies, and of knowledge and technology transfers, with full involvement of women in the process, so as to contribute simultaneously to equal opportunities and to the efforts to mitigate GHG emissions.

**RECOMMENDATION 3:**
**Commit in favour of an allocation of climate funding allowing the reduction of gender inequalities and women’s empowerment**

The Parties should commit to support stronger gender mainstreaming dynamics in climate funding in synergy with their bilateral efforts.

3.1 – We call for an increase in the funding announced for the Green Climate Fund, prior to 2020, and a proactive implementation of its gender policy and action plan adopted this year.

3.2 – We call for adaptation of the mechanisms of the other multilateral funds to strengthen their gender mainstreaming in project selection processes (going as far as small projects that can be integrated locally or regionally, or refinancing guarantees for local banks) and in the criteria for the grant of funding, to allow the equal access of women to funding and control over their means of production.

3.3 – We call for the allocation of part of technical assistance funds to training and a strengthening of women’s technical expertise for the use of technologies adapted to climate change, as regards simple but effective projects like domestic solar or wind installations...
Glossary:

**Empowerment**  
Empowerment designates a process of awareness building and concrete implementation, at the individual and collective level, as regards women’s capacities to decide on their own life, by strengthening their understanding and by allowing them to secure greater control over their social, economic, political and ecological conditions.

**Gender**  
Gender refers to the array of 'socially constructed' roles, behaviours, attributes, aptitudes and relative powers linked with being a woman or a man in a society at any given time. The term 'socially constructed' means that they are not 'innate' or 'natural' characteristics but constructions and products of a society and, as such, can be modified and transformed. The gender approach is based on this reasoning (Climate and Development Network, 2015).

**Gender integrated policy**  
A policy comprising an analysis of gender inequalities as well as the implementation and follow-up of specific and transversal actions setting out to challenge these inequalities in terms of access to rights, resources, opportunities and participation in decisions with a view to promoting women’s empowerment and gender equality.

**Gender sensitive approach**  
Gender sensitive policies and programmes differentiate between the capacities, needs and priorities of women and men, ensure that the views and ideas of women and men are taken seriously, consider the implications of decisions on the situation of women relative to men and take actions to address inequalities or imbalance between women and men (REDD + SES Version 2).

**Resilience**  
Ecological resilience is the capacity of an ecosystem, habitat, population or species to return to normal functioning and development after suffering a major disturbance (ecological factor). The degradation of an ecosystem reduces its resilience. By extension, resilience is also spoken of as regards the solutions identified by authorities and populations to cope with the local or global ecological crises they face (conflicts over resources, overfishing, desertification, deforestation, natural disasters, etc).

---

34 - Climate and Development Network (Zénabou Segda), ‘Note de décryptage sur le genre et le climat’, 2015
35 - IPCC IPCC Glossary (Glossary Working Group III, p.809)
Bibliographie

Articles and publications:
- Burns, B. (WEDO) « Gender Equality and climate change, setting the stage », Bonn, 6th of June 2015
- Gamisonia N., “Rural Community Development Agency (RCDA), Georgia : Proposal for equitable, climate-proof and sustainable development: a gender sensitive nationally appropriate mitigation action. (NAMA) for the energy sector in Georgia », Bonn Workshop, 8-9 juin 2015
- Gauthier A. 2007 Les Droits Reproductifs et Sexuels à Haïti: face sombre de la modernité avancée. Paris Sorbonne et Nanterre
- Potts M. et Graves A., Les Grandes questions méritent des réponses audacieuses: la population et le changement climatique au Sahel, Oasis initiative 1 et 2, 2013
- Schalatek L., Genre et financement pour le changement climatique : double transversalité pour un développement durable, 2010

International reports:
- Alianza México REDD+. « Incorporación de la perspectiva de género en políticas y leyes vinculadas con cambio climático y REDD+ » México, 2014
- Banque mondiale, “Gender at work, a companion to the World development report in jobs”, 2014
- BRIDGE (Emeline Skinner), « Genre et changement climatique–Panorama », 2012
- CARE International, « note de position de CARE sur le changement climatique, adaptation, genre et autonomisation des femmes », 2014
- CARE International, “Tackling the double injustice of climate change and Gender Inequality”, 2014
- CCAFS & OAA, « Guide de formation - recherche sur le genre et les changements climatiques dans l’agriculture et la Sécurité alimentaire pour le développement rural », 2013
Women, as actors in addressing climate change


Christian Aid, “Climate Justice for All: putting gender justice at the heart of the Paris Climate change agreement”, 2015


FIDA, “The Gender advantage, women at the Font line of climate change”, March 2014


GGCA, PNUD « Assurer l’égalité entre les femmes et les hommes dans le financement de la lutte contre le changement climatique », 2012

Guttmacher Institute, “Pregnancy: Are You in the Know”, 2011 (available online: https://www.guttmacher.org/in-the-know/pregnancy.html)


IICA. « Informe ante la Cuadragésima Reunión de Mesa Directiva de la Conferencia Regional sobre la mujer en América Latina y el Caribe. Acciones del IICA para la promoción de la equidad de género y el desarrollo de las mujeres rurales », 2006

Inter-agency Secretariat for the International Strategy for Disaster Reduction (UN/ISDR), & United Nations Division for the Advancement of Women in the organization of the Expert Meeting on “Environmental Management and the Mitigation of Natural Disasters: a Gender Perspective”, Ankara, Turkey, 6-9 November 2001

IPCC : Glossaire de l’IPCC (Glossary Working Group III)


Le Monde selon les femmes (M. de la Pena), « Conséquences du changement climatique sur les femmes », Juin 2010


OAA, « La situation mondiale de l’alimentation et de l’agriculture : le rôle des femmes dans l’agriculture, combler le fossé entre les femmes et les hommes pour soutenir le développement », 2010-2011

OAA, « Perspectives Economiques et Sociales, Synthèses 8, Genre et droit à la terre », 2010


ONUFemmes, “Gender Equality and sustainable development. World survey on the role of women in development”, 2014


PNUD, « Resource guide on gender and climate change », 2009

PNUD, UNFCCC, « Guide pour l’évaluation des besoins technologiques pour le changement climatique », 2010

PNUD-México, América Latina Genera, Guía recursos de género para el cambio climático, 2008
REDD+, «Glossaire REDD + SES Version 2»
UIICN, “the Art of implementation, Gender strategies transforming National and Regional Climate Change decision making”, 2012
UIICN, USAID, “Women at the forefront of clean energy future”, a white paper of IUNC & USAID, Initiative Gender Equality for climate change, September 2014
UNDP, “Transversalización de la perspectiva de género en las políticas de cambio climático en México, sistematización y lecciones aprendidas”, 2014
United Nations Office for Disaster Risk Reduction (UNISDR), “To build the resilience of nations and communities to disasters, we need equal and active participation of men and women in disaster risk reduction”, 2011
UN Foundation Universal Access project, “Briefing cards : Sexual and reproductive health and rights and the Post 2015 Agenda”, 2014
UNEP, “Guidance on mainstreaming gender into work under the Convention on Biological Diversity”, 2014
WEDO et FNUAP, Guide pratique “Climate Change Connections, Ensuring women contribute to and benefit from equitable climate solution”, 2009

Notes, presentations and position papers:
Réseau climat développement (Zénapou Segda), «Note de décryptage sur le genre et le climat», 2015
UNFCCC, In-session workshop on gender-responsive climate policy with a focus on mitigation action and technology development and transfer, Bonn, Germany, 8–9 June 2015 http://unfccc.int/gender_and_climate_change/items/9043.php
Internet sites and pages:

- AWID: http://www.awid.org/node/730
- Database on Local Coping Strategies:
  http://maindb.unfccc.int/public/adaptation/adaptation_casesstudy.pl?id_project=153&id_hazard=&id_impact=&id_strategy=&id_region=4
- ONUFEMMES: http://beijing20.unwomen.org/fr/in-focus/environment#topic
- Programa PNUD en Cuba, acciones en género:
  http://www.cu.undp.org/content/cuba/es/home/operations/projects/womens_empowerment
- Diálogos con mujeres indígenas en el marco de la COP 20 en Lima:
- Thomson Reuters Foundation. National climate commitments must include human rights and gender equality:
  http://www.trust.org/item/20150608210640-sjv/lb/
- UICN, Environnement and Gender Index: http://genderandenvironment.org/egi/
Working group on women’s empowerment and climate change issues, created on the initiative of the Presidents of the High Council for Gender Equality and of the Delegations for Women’s Rights of the National Assembly and of the Senate.

Co-Presidents:
- Mme Danielle BOUSQUET, President of the High Council for Gender Equality;
- Mme Catherine COUTELLE, President of the Delegation for Women’s Rights of the National Assembly and of the Study Group on Gender and Women’s Rights Internationally*;
- Mme Chantal JOUANNO, President of the Delegation for Women’s Rights of the Senate.

Members:
- M. Yves CHARBIT, Professor Emeritus of Demography at the University Paris-Descartes;
- Mme Olivia DABBOUS, Special Adviser, Environmental and Social Support Division at the French Development Agency (AFD); member of the Cooperation and International Protection Working Group at the High Council for Gender Equality (HCEfh);
- Mme Dilek ELVEREN, Specialist of the gender equality programme at the Directorate for Regional Coordination and Transversality, International Organisation of the Francophonie (OIF);
- M. Maxime FOREST, Lecturer at Sciences Po Paris, Chair of the Women’s Rights and International Issues Commission at the HCEfh;
- Mme Sarah LAHMANI, Special Adviser, Environmental and Social Support Division at the French Development Agency (AFD); member of the Cooperation and International Protection Working Group at the HCEfh;
- Mme Yveline NICOLAS, Coordinator of the Association Adéquations, Associate Member of the Women’s Rights and International Issues Commission;
- Mme Fanny PETITBON, Special Adviser Advocacy, CARE France;
- M. Serge RABIER, Member of the Association Egalibres et Populations, Member of the Women’s Rights and International Issues Commission at the HCEfh;

Rapporteur : 
- Mme Marie-Annick BOURDIN, International Affairs Commissioner at the HCEfh.

Observers:
- Mme Ouafae SANANES, Gender and Development Adviser, Sub-Directorate for Health, food security and human development, (DGM/DBM/SAH), Ministry for Foreign Affairs and International Development (MAEDI); member of the Cooperation and International Protection working group at the HCEfh;
- Mme Lucie GUILLET, Special Adviser civil society, Interministerial Negotiation Team – UNFCCC – COP21/CMP11;
- Mme Camille PALUMBO, Special Adviser finance, Interministerial Negotiation Team, - UNFCCC – COP21/CMP11.

With the financial support of the Ministry for Foreign Affairs and International Development for the study, which served as a frame for this document, and which was drafted by the consultants:
- Mme Pauline CHABBERT, Associate director of the Groupe Egalis
- Mme Marcela de la PEÑA VALVIDIA, Special Adviser at ‘Le Monde selon les femmes’, Brussels

* This study group of the National Assembly held a cycle of hearings, from March to July 2015, on sustainable development and more specifically on addressing global warming.
Sur l’initiative de :

Avec la participation de :

Avec le soutien de :