#### **ECOSOC Annual Ministerial Review**

## Regional Consultation on Science, Technology a

#### THE RIO+20 AGENDA AND THE MILLENNIUM DEVELOPMENT GOALS (MDGs)

The Ri 0+20 agenda i dent energy as aifpireisorit ustarea for aliopoadente deve and o bSiultd on t ainabhe Eheinniytfor All Secretive launchedaby proposes t iat ed Natatriprantiding univeinmalvæcca ienst General of t he UniThe init mdern energy ervi cesfor bot h consumpt i on and product ion uses by 2030; improving en all levelswi t haviewt 2030cdouadandingoutbling t he rathe hare of he glorbial beyn 20030 t hrough promot renewable energy in t ing t he of renewable energy ourcesand t hnologi eeicn all count <sup>2</sup> In ordieest ₀ achi eve t Ri 0+20 recogni zes he import ance of st renqt hening t ies iffickadity by promot rieseffecting capaci t ive mechanin, enhanced mean, appropriat enabling hep73(ng) 290.002 Tc 0.0(en) 180 Td [(0180h)-11(.772 0 Td [(62 0 Td148) 5(n) 11(6

#### 1. Shift balance in favor of renewable energy

ional govænrhoænnefit Nat ubst from it ut and convent proven RETs as well as from promot new RETTOS This require STI policies t hat iconaricumate rov primarily on developing RETs wit nat able for ancėnchhideh renewable energy t saswell anechanionatas driving fortoatbehindt argetupport he deployment renewablefenergy. Report least edly, at 118 count are developing count ri eş had renewable energy t arqet sin place by early of early 2010. <sup>7</sup> This indicat policymakes its are increasing hyat becoming aware of t he benefit emming from renewable energyuding energy ecurit y, reduced import st de ion of greenhouse gas(GHG) emisions prevent ion of biodiversit reduct y los i mpi job creat ion, rural development — and and energy according morte ₀ facili t h policies in ot .8 Thibein economic ect ion of recognization to the energy policies wit urn able policy frameworks for RET development adapt , product at requires suit deployment in key ect orsof t he economy.

Priorit regardinismintt imidude:

- Set t ing achi evable renewable energy t arget s
- Improving policy frameworks for wider use of RETs
- Promot t t ing he echnology innovat for t ion ecosyst he oddennouselopmenetm rat diffusion and adopt ion of RETs
- Emuringint egrat ion of RETsint oot her nat mit igat ion
- Gradual increase in t RHEETshare of he energy mix of count ries
- Mobilizing great encudomest development erand we of RETs
- Promot in Rathall-chassed innovat in and indust rial development
- Increasing invest ment for generat ing more energy t
- Promot rketficuumed RETinnovat ion
- Creat ing and ing and ing to heir accept ance by

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#### 2. Alleviate energy poverty through improving and mainstreaming energy access

Energy accesand affordabi	li t y ha	ave been cri t	icali <b>su</b> eisnīgo ir mearjum	rail tand	y of
inaccei ble areas About	1.3 billion people-	one in five globally	-lack elect	ri ci t	
homes or conduct	busines aemaalrhy 40%	% of t	he world's populat	i on	rely on wood,
charcoal, or animal wast	e t	o cook t	heir food breat		hina in -

### 3. Enable technological leapfrogging

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Most	of t he	etr <b>eke</b> areddp <b>and</b> ly <b>ano</b> k	atrenewable eneriyont	echnolog	i esare
happening in t	he develop	ed count	ries The int	heldlløyctt	uhade
developed world,	which largely limit	st	he accei biflir	tt yr	nefateveloping
count	Osii es parand tLD It	icular. ist	for developihngus <b>coert</b> , cri	t st riesti	cal rengt 0
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nat capacit	ional y for R	2&		locali zat	ion oÆ7,
t ed	c <b>Mildege ef</b> fort	c. swuld redu	ice t heir	t	echnological dep
count	riesin tand long run.	lh•panedtium	i ciuteairi, 8547/eplopiiong co	unt	ri escould
embark on <b>u</b> it	st able i	rat e	gi <b>reslaft</b> r accelerat ed i	innovat ing RE7	Ts ion and t
leapfrogging. ST	lpolicy priorit	iesint	hi sregard could	dinclude:	
• Promt	ing t	echnligi cal	learning and innovat	i on	

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hepotentelopment ion, and diffusion loof varefrom t is varefrom ices driving force for t alo being followed in many count ri esi n everal ot her areasof RE:TIPRomot RET, T-phopacelaire mentally service echnological learning, resurce mobilizat ion of andardi zat ion, RtET equipmentest anidnopanducert deli very models st grid RET applicat ionset С.

#### 1. Developing innovative STI policy instruments and incentives

ional STI policies could creat eta conduci vea emivifatorienitt wi detr Nat ion of RETsint The come politici of community are a point appli cat riiempact on i ve RETs by ifootand diffusion ofering innovat ion aooft-t t he appli cat i√hiet encouraq RnET nnovat o make increment art ors t al t he<sup>13</sup>r **abloget**e policy opt ion and utions t o cost hat redubertandt t i onsi næandd iveint hisregard and hould be considered by nat inpart could be eifclubart fingapolinceet, , and publicveinancing. 14 Some of t innovat regulat he i ve pract areas inchesse:

#### Policy instruments

- Feed-int ariff
- Renewable Energy Target Quot s/ Renewable port i ons/ foliost and and ards
- Net met ering
- Minimising subsidies for convent i onal energy ource; e.g. canton ensive fuels

#### Fiscal incentives

- Grant-upport chemesfor t he development and early st
- Concesi onal loans
- Subi di es
- Taxincent ives
- Energy product i on payment

#### Public financing

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One of t he major object innovat i vesof mathlest) in Amia-Pamalemic count riesist develop and deploy ust ai nable energy opintcluding renewalbung energy t etchnologi es agenda .aRenewable energy t developmental edhaoloeiet nat he he vast -dep mai jvoerdi toopulat ett enhancoelyeneroviaadces for t y of eneirogy pot not i onal economi eş part al wt ribut her ecte t but t cont orsofonat incluip vocant and sust e ainable devlue hopment regard, nahtis . ional government t learn from to good pract he of to ices heiming downt , such he entitioner to S

- Developing a long -t -arterm, well iculat ed nat renewable ional policy on energy, inclusive of ect orankated sub-ional st rat egies with policy framework of development and povert y reduct ion

  Poveloping a long -t -arterm, well iculate ed nat renewable ional policy on energy inclusives and policy on energy inc
- Developing capacit iesofall keyst akeholder; includeignen poineisect technology supplier; ervice provider; financial inst it ut and consumers (including women)
- Engaging with the stakeholders art diseminat allihet we main to the same upport project for same let gy accest oprovide preinged populat ions as a factor of sust an able energy opt ions as a factor of same upport.

#### 3. Mobilizing resources for RETs innovation, development and commercialization

for R& Government financial upport i on of fundsiscrit . Publi cafituancing also plays profomport mbilizat e R**a**nts ing commer**c**iiaad**bl**erenewable energy t<u>edhwe</u>taties exploring and promot ment rat build **ėxp**epinėneetin inst s can allat ion, maint demonst he confidence necessry for early market

16 Count development ries could learn from increame t ood pracomal relat :ices edt nat

- Est aborli deni tog RET scheedhessi nanci ng
- Generat ing resurces t hadicightg imenorhantisms for disean feanet-gy research and innovat ion
- Providing grant sfor remarch, development and demonst rat
- Providing pecial funding for t he aborpt and re-innovaout, diffusion ion of import RETs

For example, t he Government of that a has recented a Natly ional Clean (NCCF) to example ing a clear semicing as the context of the context

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#### 4. Establish a flexible and favorable intellectual property regime

a favor**e**ble int STI policies can promot ellect ual propert y env promot ion of indigenously developed RETs but ale for t he t t inautatiesatte ies. Leecathaanthat a greati cular, ionabolervefleunder t er arti bi li t global IPR regime could provide an impet us t o t downtoromt ri es i -related more related more rela Suggest ion could include:

- Flexibilit iesin pat rage ienctement abilial innovat y critions
- Except ions (e.g. for experiment all use and from regulat ory reviright for poutblic good. o RETs
- Parallel import -prot sof IPR ect ed goods
- Bringing RETsunder t he juridict ion of compet it

# 5. Foster networks, partnerships, collaborations and inter-linkages for the development and promotion of RETs

Succesful t ion of RETOFITE quipipoiest development i mplemenantid at akeholder; including public government acencinse, public researt ut excellence, project implement vent ing agenceesapit al and finance inst ect or, NGOs and civil ociet y groups developments and consumers part here is a need to ges among or ast to akeheldenrsm of Hence, t abhiehe lihtinkat netchi psandappolizolporhizzatolgh net works part me ianus SeTl poliuch as :

- ICT enabled net work of pecialized inst it ut ions knowledge and collaborat ion
- Regional t innoventh mology ion yst emsencompasing a whole range of act inst research parks firms putablic bodies netons works et c

• Fully subsidized or grant -driven models

Some of t here innovat i ve renewable energy models in Placocentic count ed in Africa es are privatect -drivene cookerst oves programmes in China, Sri ananka Cambodia; Nepal Biogas Support Programme;

Widhernebijkemi.nat echnologiæbocoube hampered if t renewalboleofenergy t adequat measuresa@eSnTt but tatt nat hakeme ional and requitonal level. Paciftic ional STI policie footene on fost o ering regional linkages and regional level, nat ional RED st promatkeholders and somiting out h coopherat part ong n**exart**ti ps am Net working among nat i onal st akeholdcartat -boradyzet cros echnologi cal cooperat t imbet ween count ri es

Posible st rat one of tegies tisues/ chladekenge additress regional hreunden init iat could include:

- Helping st rengt henammetank STI infræmquinædd t ructegyo t ure radeveloping count ries part icularly t have dihefiloDuck which ot ies accesing t echnologies and relathow for producted know .ion and use
- Addres ing/reducing incoherent , and oft en conflict ing, policy mult , i labtich t eral lendel t o undermine t he wider di