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 ² 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 goværnbæmefit Nat ubst from it ut and convent proven RETs as well as from promot new RETTOS This require STI policies t hat primarily on developing RETs suit nat able for iconaricuente rov ancėsnowbodeh renewable energy t saswell anechanionatas driving fortoatbehindt argetupport he deployment renewablefenergy. Report edly, at least 118 count are developing count ries had renewable energy t arqet simplace by early of early 2010. ⁷ This indicat policymakestsare increasinghat becoming aware of t he benefit emming from renewable energy unding energy ecurit y, reduced import st de i on of greenhouse gas(GHG) emi i ons prevent ion of biodiversit reduct y loş i mpı job creat ion, rural development and and energy according morte o facilit .8 Thibain economic sect ion of recognization energy policies wit h policies in ot urn able policy frameworks for RET development requires uit adapt , product at orsof t deployment in key ect he economy.

Priorit regardinismintt imidude:

- Set t ing achi evable renewable energy t arget s
- Improving policy frameworks for wider up of RETs
- Promot t t ing he echnology innovat for t ion ecosyst he oddennoutlopmenetm rat diffusion and adopt ion of RETs
- Emuringint egrat ion of RETsint oot her nat mit igat ion
- Gradual increase in t RMEeTs bare of he energy mix of count ries
- Mobilizing great enudomest development erand we of RETs
- Promot in Rathall-chassed innovat in and indust rial development
- Increasing invest ment for generat inq 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 accessand affordabilit y have been crit ical i suesinfoir marjumal tand y of inacces ble areas. About 1.3 billion people-one in five globally —lack elect ricit homes or conduct busines æmælrhy 40% of t he world's populat ion rely on wood, charcoal, or animal wast et o cook t heir food breat hing in

3. Enable technological leapfrogging

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Most	of t he	etr ekeareddp and v anno e	edtrenewable eneriyyn t	echnolog	ji esare
happening in t	he develop	oed count	ries The int	hel dlle yctt	uhada
developed world,	which largely limit	st	he accei bifir	tt yl	heef doorveloping
count	Orsii eespaandrtLD It	icular. ist	for developihogusovoenty cri t	t st riesti	cal rengt o
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nat capacit	tional y for R	!&		locali zat	ion oÆ7,
t ed	c Findege ef fort	c. swuld redu	ce t heir	t	echnologi cal dep
count	riesin tand long run.	Un∲anedium	i diudeairn, 85:eTvlepholpiiong cou	unt	ri escould
embark on u it	st able	rat e	g irælaft r accelerat ed i	nnovat ing RE ⁻	Ts ion and t
leapfrogging. ST	lpolicy priorit	iesint	hi sregard could	dinclude:	
• Promt	ing t	echnologi 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 marty service echnological learning, resurce mobilizat ion of andardi zat ion, RtET equipmentest anidnopanducert deli very models st grid RET applicat ionset C.

1. Developing innovative STI policy instruments and incentives

ional STI policies could creat eta conduci vea emivifatorienitt Nat wi detr ion of RETsint The come politici of come to a poi t appli cat riiempact on i ve RETs by ifootand diffusion ofering innovat t he appli cat ion aooft-t i√hiet encouraq RnET nnovat o make increment art ors t al t he¹³r **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⁄ Reddedivadate port ions⁄ foliost and ards
- Net met ering
- Minimising subsidies for convent i onal energy ourceş e.g. carbon 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 heim 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

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- Developing capacit ies of all keyst akeholder; include igen ropine; sect technology supplier; service 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 adorli deri tog RET scheedhes i 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 the data has recented a Natly ional Clean (NCCF) to example of the control of t

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 pol**iuch** as :

- ICT enabled net work of pecialized inst it ut ions knowledge and collaborat ion
- Regional t innoverathmology ion yst emsencompasing a whole range of actinst research parks, firms, potablic 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

Poible st rat one of tegies tiques/ charekenge addiress regional herough init iat could include:

- Helping st rengt henammetank STI infræmqtuinænd t ructegy o t ure radeveloping count ries part i cularly t have dineflected to have dineflected
- Addres ing/reducing incoherent , and oft en conflict ing, policy mult , i labtich t eral lendel t o undermine t he wider di