

TAKING
COOPERATION
FORWARD



Block 1: *EU Energy Policy and Objectives*



Module 1.3. Current situation in the EU



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The module presents the current situation in EU
and its Member States



- The EU progress towards reaching the 2020 targets
- Current situation in the EU
- Member States targets
- Current situation in the project partners regions



THE EU PROGRESS TOWARDS REACHING ITS 2020 TARGETS

- 22 % reduction of GHG emissions between 1990 and 2015
- 17 % estimated share of renewable energy in EU's gross final energy consumption, assessed in 2016
- 4 % above the 2020 target on EU's primary energy consumption, assessed in 2016



CURRENT SITUATION IN EU

EU targets	Energy Efficiency	Renewable Energy	GHG emissions reduction
2020 targets	20 %	20 %	20 %
Current situation (2016)	*)	17 %	22 %

*) For primary energy, the consumption is 4 % above the 2020 target. However, for final energy consumption, the data is not available.



MEMBER STATES TARGETS

2020				2030		
	EE	RES	GHG	EE	RES	GHG
EU targets	20 %	20 %	20 %	32.5 %	32 %	40 %
EU Member States						
Austria	20%	34%	-16%	32,5%	45-50 %	-36%
Belgium	20%	13%	-15%	32,5%		-35%
Bulgaria	20%	16%	20%	32,5%		0%
Croatia	20%	20%	-	32,5%	?	-7%
Cyprus	20%	13%	-5%	32,5%		-24%
Czech Republic	20%	13%	9%	32,5%	20.9 %	-14%
Denmark	20%	30%	-20%	32,5%		-39%
Estonia	20%	25%	11%	32,5%		-13%
Finland	20%	38%	-16%	32,5%		-39%
France	20%	23%	-14%	32,5%		-37%
Germany	20%	20%	-14%	32,5%	?	-38%
Greece	20%	18%	-4%	32,5%		-16%
Hungary	20%	13%	10%	32,5%	?	-7%

*The **EU targets** for the years 2020 and 2030 are set in relation to the EU 1990 levels.*

*The **EU Member States targets** for the years 2020 and 2030 are set in relation to their 2005 levels for the RES (share of energy from renewable sources) and GHG emission reduction.*

*The **EU Member States targets** for the years 2020 and 2030 are set on 20 % and 32.5 % improvement in energy efficiency to their 2005 levels.*

- <http://data.consilium.europa.eu/doc/document/ST-10307-2018-ADD-2/en/pdf>
- http://ec.europa.eu/eurostat/tgm/table.do?tab=table&plugin=1&language=en&pcode=t2020_31
- https://ec.europa.eu/energy/sites/ener/files/documents/article_3_eeed_indicative_national_energy_efficiency_targets_2020_january_2017.pdf



MEMBER STATES TARGETS

2020				2030		
	EE	RES	GHG	EE	RES	GHG
EU targets	20 %	20 %	20 %	32.5 %	32 %	40 %
EU Member States						
Ireland	20%	16%	-20%	32,5%		-30%
Italy	20%	17%	-13%	32,5%	?	-33%
Latvia	20%	40%	17%	32,5%		-6%
Lithuania	20%	23%	15%	32,5%		-9%
Luxembourg	20%	11%	-20%	32,5%		-40%
Malta	20%	10%	5%	32,5%		-19%
Netherlands	20%	14%	-16%	32,5%		-36%
Poland	20%	15%	14%	32,5%	32%	-7%
Portugal	20%	31%	1%	32,5%		-17%
Romania	20%	24%	19%	32,5%		-2%
Slovakia	20%	14%	13%	32,5%		-12%
Slovenia	20%	25%	4%	32,5%		-15%
Spain	20%	20%	-10%	32,5%		-26%
Sweden	20%	49%	-17%	32,5%		-40%
United Kingdom	20%	15%	-16%	32,5%		-37%

*The **EU targets** for the years 2020 and 2030 are set in relation to the EU 1990 levels.*

*The **EU Member States targets** for the years 2020 and 2030 are set in relation to their 2005 levels for the RES (share of energy from renewable sources) and GHG emission reduction.*

*The **EU Member States targets** for the years 2020 and 2030 are set on 20 % and 32.5 % improvement in energy efficiency to their 2005 levels.*

- <http://data.consilium.europa.eu/doc/document/ST-10307-2018-ADD-2/en/pdf>
- http://ec.europa.eu/eurostat/tgm/table.do?tab=table&plugin=1&language=en&pcode=t2020_31
- https://ec.europa.eu/energy/sites/ener/files/documents/article_3_eeed_indicative_national_energy_efficiency_targets_2020_january_2017.pdf



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES



Austria	EE _c [Mtoe]	RES _c [%]	GHG [%]
Country's target ₂₀₂₀	25.10	34	-16
Current achievement ₂₀₁₆	28.13	33.5	-11

EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES



Croatia	EE _c [Mtoe]	RES _c [%]	GHG [%]
Country's target ₂₀₂₀	7	20	-
Current achievement ₂₀₁₆	6.64	28.3	?

EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES



Czech Republic	EE _c [Mtoe]	RES _c [%]	GHG [%]
Country's target ₂₀₂₀	25.30	13	9
Current achievement ₂₀₁₆	24.88	14.9	?

EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES



Germany	EE _c [Mtoe]	RES _c [%]	GHG [%]
Country's target ₂₀₂₀	194.3	18	-14
Current achievement ₂₀₁₆	216.45	14.8	?

EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES



Hungary	EE _c [Mtoe]	RES _c [%]	GHG [%]
Country's target ₂₀₂₀	14.4	13	10
Current achievement ₂₀₁₆	17.87	14.2	?

EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES



Italy	EE _c [Mtoe]	RES _c [%]	GHG [%]
Country's target ₂₀₂₀	124	17	-13
Current achievement ₂₀₁₆	115.93	17.4	?


EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



CURRENT SITUATION IN THE PROJECT PARTNERS COUNTRIES

	Poland	EE _c [Mtoe]	RES _c [%]	GHG [%]
	Country's target ₂₀₂₀	71.60	15	14
	Current achievement ₂₀₁₆	66.65	11.3	31.6

EE_c - absolute level of final energy consumption in 2020 according to the updated target as notified in the NEEAPs 2014, Annual Reports or in separate notifications to the European Commission in 2015 and 2016 [Mtoe]

RES_c - target for share of energy from renewable sources in gross final consumption of energy [%]

GHG - greenhouse gas emission limits in 2020 compared to 2005 greenhouse gas emissions levels



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



AUSTRIA

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Austria 2014 Review	https://www.iea.org/publications/countryreviews/
Targets and mission 2030, Klima- und Energiestrategie (de) <ul style="list-style-type: none">• Video: Die österreichische Klima- und Energiestrategie	https://mission2030.info/ <ul style="list-style-type: none">• https://www.youtube.com/watch?time_continue=148&v=YP_atvV70ic



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



CROATIA

Source of information	Link / PDF / Video document
/	/



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



CZECH REPUBLIC

Source of information	Link / PDF / Video document
<p>State Energy Policy / Státní Energetická Politika (cz)</p> <ul style="list-style-type: none">• Státní Energetická Koncepce• Státní Energetická Koncepce České Republiky [pdf]	<p>https://www.mpo.cz/cz/energetika/statni-energeticka-politika/</p> <ul style="list-style-type: none">• https://www.mpo.cz/dokument158059.html• https://www.mpo.cz/assets/dokumenty/52841/60959/636207/priloha006.pdf
<p>Národní akční plán energetické účinnosti (NEEAP) (cz)</p> <ul style="list-style-type: none">• Strategické dokumenty• Národní akční plán energetické účinnosti ČR• Aktualizace Národního akčního plánu energetické účinnosti ČR 2017 [pdf]	<p>https://www.mpo.cz/cz/energetika/energeticka-ucinnost/</p> <ul style="list-style-type: none">• https://www.mpo.cz/cz/energetika/energeticka-ucinnost/strategicke-dokumenty/• https://www.mpo.cz/cz/energetika/energeticka-ucinnost/strategicke-dokumenty/narodni-akcni-plan-energeticke-ucinnosti-cr--150542/• https://www.mpo.cz/assets/cz/energetika/energeticka-ucinnost/strategicke-dokumenty/2017/11/_17_III_Aktualizace-NAPEE-2016_vlada_final.pdf



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



CZECH REPUBLIC

Source of information	Link / PDF / Video document
<p>Národní akční plán pro obnovitelné zdroje energie - dokumenty</p> <ul style="list-style-type: none">Národní akční plán pro obnovitelné zdroje energieNárodní akční plán pro energii z obnovitelných zdrojů [pdf]	<p>https://www.mpo.cz/cz/energetika/elektroenergetika/obnovitelne-zdroje/</p> <ul style="list-style-type: none">https://www.mpo.cz/cz/energetika/elektroenergetika/obnovitelne-zdroje/narodni-akcni-plan-pro-obnovitelne-zdroje-energie--169894/https://www.mpo.cz/assets/dokumenty/54909/62718/649151/priloha001.pdf
<p>Národní akční plán čisté mobility - dokumenty</p> <ul style="list-style-type: none">Národní akční plán čisté mobilityČistá mobilita (opatření, materiály a prezentace)Národní akční plán čisté mobility [pdf]	<p>https://www.mpo.cz/cz/prumysl/zpracovatelsky-prumysl/automobilovy-prumysl/</p> <ul style="list-style-type: none">https://www.mpo.cz/cz/prumysl/zpracovatelsky-prumysl/automobilovy-prumysl/narodni-akcni-plan-ciste-mobility--167456/https://www.mzp.cz/cz/cista_mobilita_seminarhttps://www.mpo.cz/assets/dokumenty/54377/62106/640972/priloha001.pdf



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



GERMANY

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Germany 2013 Review	https://www.iea.org/publications/countryreviews/
Development of Renewable Energy Sources in Germany 2017 (de)	https://www.erneuerbare-energien.de/EE/Navigation/DE/Service/Erneuerbare_Energien_in_Zahlen/Entwicklung/entwicklung-der-erneuerbaren-energien-in-deutschland.html
Renewable Energy in Germany 2017 (de) [pdf]	https://www.umweltbundesamt.de/sites/default/files/medien/376/publikationen/180315_uba_hg_einzahlen_2018_bf.pdf
Renewable Energy Sources in Figures, Germany 2016 [pdf]	https://www.bmwi.de/Redaktion/EN/Publikationen/renewable-energy-sources-in-figures-2016.pdf?__blob=publicationFile&v=5



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HUNGARY

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Hungary 2017 Review	https://www.iea.org/publications/countryreviews/
Renewable Energy Industry in Hungary	[pdf] documents
Coherence Problems in the Hungarian Energy Policy	[pdf] documents



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ITALY

Veneto (LP)

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Italy 2016 Review	https://www.iea.org/publications/countryreviews/

Emilia Romagna

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Italy 2016 Review	https://www.iea.org/publications/countryreviews/
Politiche italiane su energia e clima, Direzione Generale per il Clima e l'Energia, Carmen Glorioso 2018 (it) [pdf presentation]	http://www.isprambiente.gov.it/files2018/eventi/gas-serra/gloriosoPresentazione15maggio2018CLE.pdf
Piano Energia e Clima, Bozza Giugno 2018 (it) [pdf presentation]	ftp://ftp.minambiente.it/PNCE/Piano_Energia_Climate%20-%20Disegno%20e%20analisi%20(Bozza%20GSE%2018_07_02).pdf



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



POLAND

Legnica

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Poland 2016 Review	https://www.iea.org/publications/countryreviews/
Energy Policy of Poland until 2030 - presentation [pdf]	http://www.koalicjaklimatyczna.org/theme/UploadFiles/konferencyjne/elzbieta_wroblewska_1.pdf
ECOFYS 2020 Renewable Energy Target Realization Forecast for Poland final report (pl) [pdf]	https://www.teraz-srodowisko.pl/media/pdf/aktualnosci/3273-progoza-realizacji-celu-oze-2020-dla-polski.pdf



INFORMATION ON NATIONAL LEVEL IN PROJECT'S PARTNER REGIONS



POLAND

Lubelskie

Source of information	Link / PDF / Video document
Energy Policies of IEA Countries - Poland 2016 Review	https://www.iea.org/publications/countryreviews/
Commission Staff Working Document Energy Union Factsheet Poland [pdf]	https://ec.europa.eu/commission/sites/beta-political/files/energy-union-factsheet-poland_en.pdf



SOURCE DOCUMENTS

<https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union>

<http://data.consilium.europa.eu/doc/document/ST-10307-2018-ADD-2/en/pdf>

http://ec.europa.eu/eurostat/tgm/table.do?tab=table&plugin=1&language=en&pcode=t2020_31

https://ec.europa.eu/energy/sites/ener/files/documents/article_3_eed_indicative_national_energy_efficiency_targets_2020_january_2017.pdf

<https://ec.europa.eu/energy/en/topics/energy-efficiency/energy-efficiency-directive/national-energy-efficiency-action-plans>

http://publications.jrc.ec.europa.eu/repository/bitstream/JRC108810/eed_annual_reports_2017_final.pdf



Thank you for your attention

