



NEMZETI FEJLESZTÉSI
MINISZTERIUM

Hungary's presentation for the multilateral assessment at COP22

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Hungary's commitments

- **Binding commitment under Kyoto Protocol's first implementing period achieved**
 - 6% reduction in emissions by 2012
 - base year: average of 1985-87; 1995 for F-gases
 - 43.7% below base year emissions
- **Binding commitment under Kyoto Protocol's second implementing period**
 - CP2: joint commitment of the EU, its MS and Iceland to reduce average annual emissions during 2013-2020 by 20% compared to base year
- **Pledge under the Convention for EU and its Member States**
 - Unconditional quantified economy wide emission reduction target of 20% by 2020, compared to 1990 levels



Architecture of the EU policies: Climate and Energy Package

- **Binding EU 20% GHG emission reduction by 2020 compared to 1990**
 - EU Emission Trading System (around 40% of total emissions): EU wide cap based on harmonized rules
 - Individual Member States 2020 targets for non-ETS sectors (MS policies together with EU legislation such as on CO₂ standards from cars and vans, F-Gas, energy efficiency in buildings)
 - Hungary's target: +10% maximum increase of emissions relatively to 2005.
- **Binding 20% share of renewable energies in EU gross total final energy consumption combined with national binding targets**
 - Hungary's target: 14,65 % share
- **Non-binding 20% energy saving through more efficient energy use, from transformation to distribution to the final consumer**



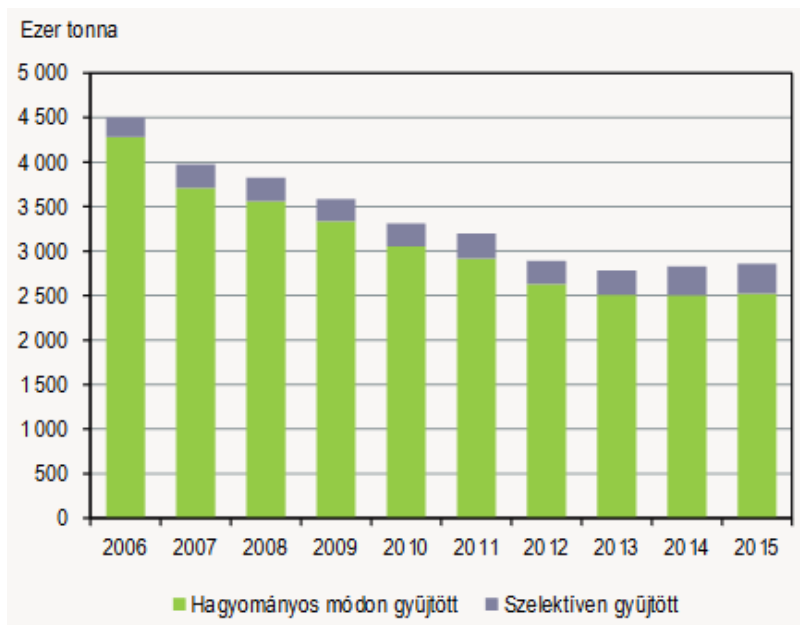
Trends of emission by sector

- 47.8 change in total GHG emissions without LULUCF since base year
- Emissions decreased in all sectors except transport and waste
- Largest reduction occurred in the energy sector : -48.9 %
- The energy sector still remains the largest emitter with 70% share

	BY	1990	1995	2000	2005	2008	2010	2012	2013	2014
Energy	78826	68088	57017	54432	55782	52976	48644	43360	41077	40280
Ind.	15076	11712	8271	8270	9284	7458	6563	6238	5722	6129
Agri.	12051	10108	5968	6165	6128	6116	5685	5961	6386	6533
LULUCF	-1721	-2433	-5346	-215	-5079	-4758	-3710	-4075	-3098	-4594
Waste	3682	4226	4450	4690	4740	4791	4633	4548	4369	4284
Total	107915	91701	70360	73341	70855	66582	61813	56032	54456	52632

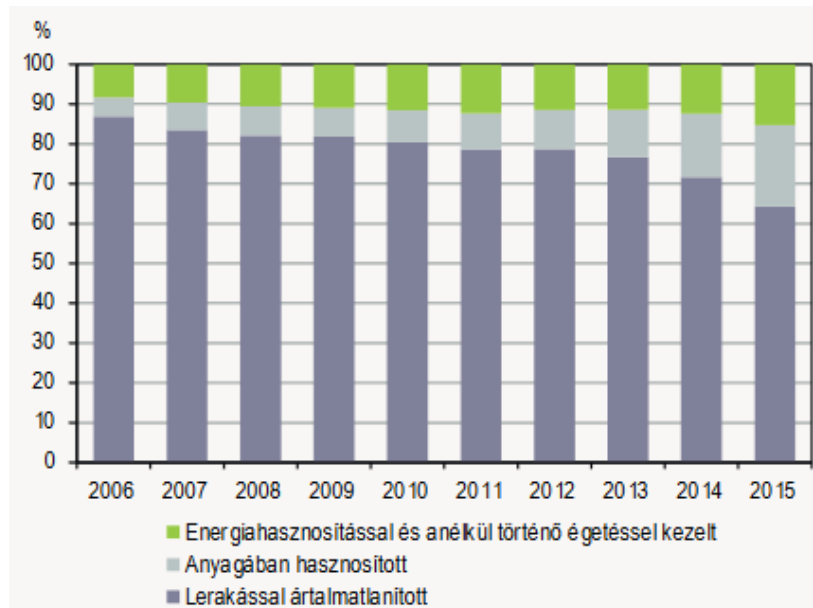


Changes in waste management practices



Decreasing waste generation

Decreasing share of landfilling





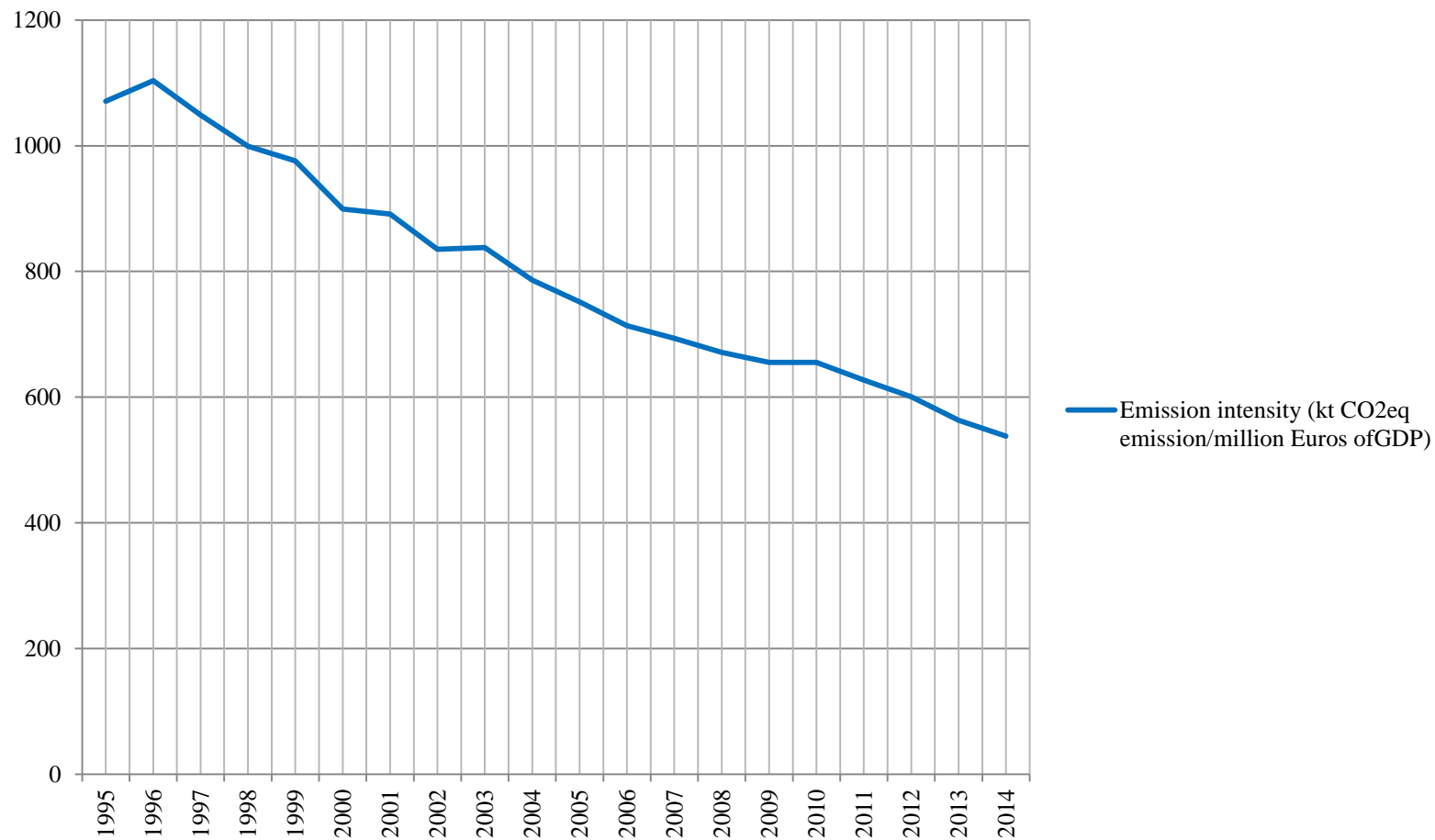
Trends of emissions by GHG

- Emissions from all GHGs decreased except emission of HFCs and SF₆
- CO₂ emissions reduced by 49%, now accounting for 76% of total

	BY	1990	1995	2000	2005	2008	2010	2012	2013	2014
CO ₂	85194	73115	61354	58337	60330	57325	52109	46775	43931	43573
CH ₄	12660	11967	9034	8958	8443	8251	8037	7825	7619	7614
N ₂ O	11404	8665	5001	5621	5982	4487	4055	4200	4599	4504
HFCs	NO	NO	42	273	804	1164	1223	1185	1280	1428
PFCs	371	376	223	283	281	5	2	2	2	2
SF ₆	6	11	52	84	94	108	99	120	123	104
NF ₃	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total	109636	94134	75706	73557	75933	71340	65524	60107	57554	57225

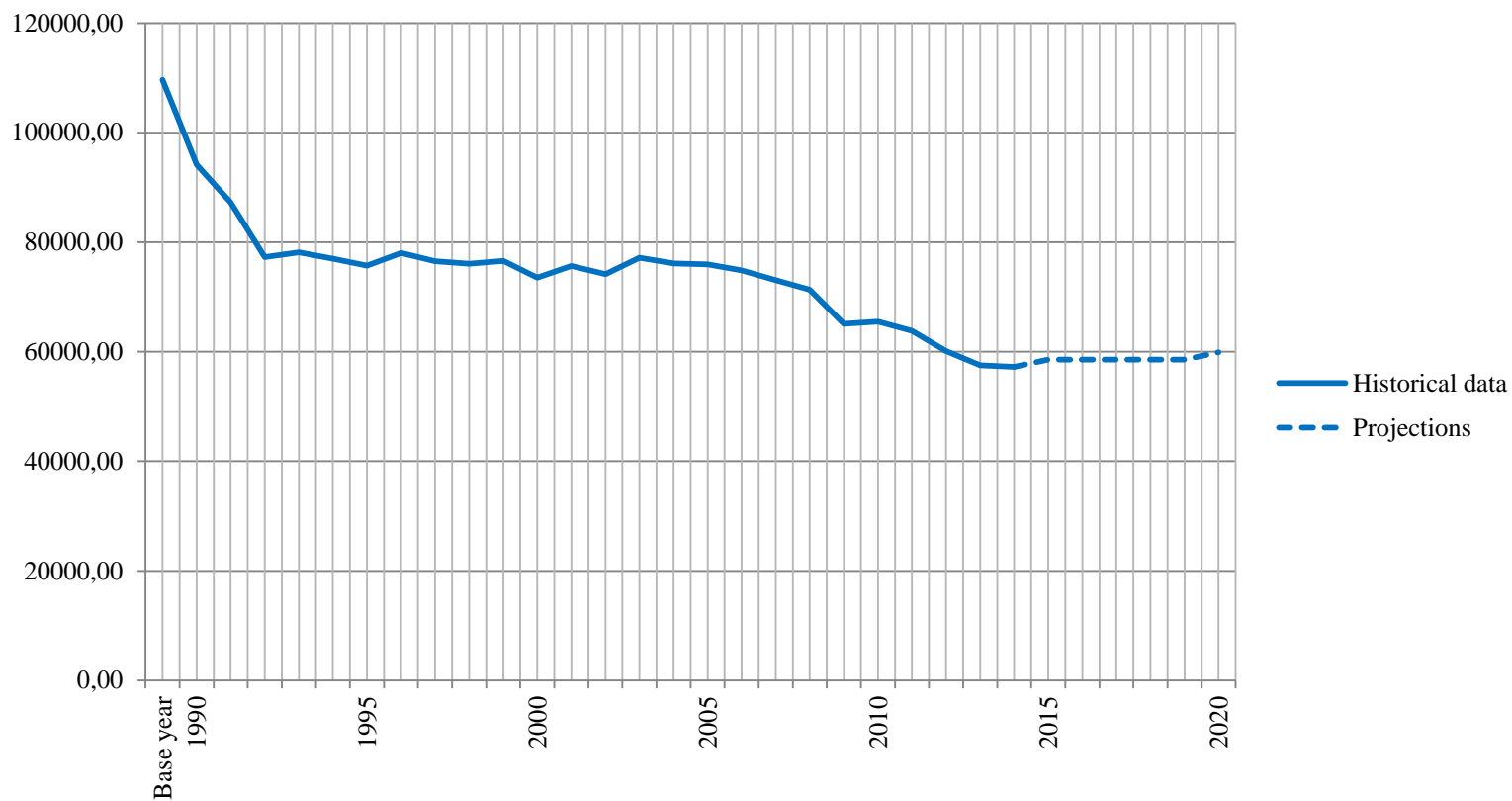


Emission intensity



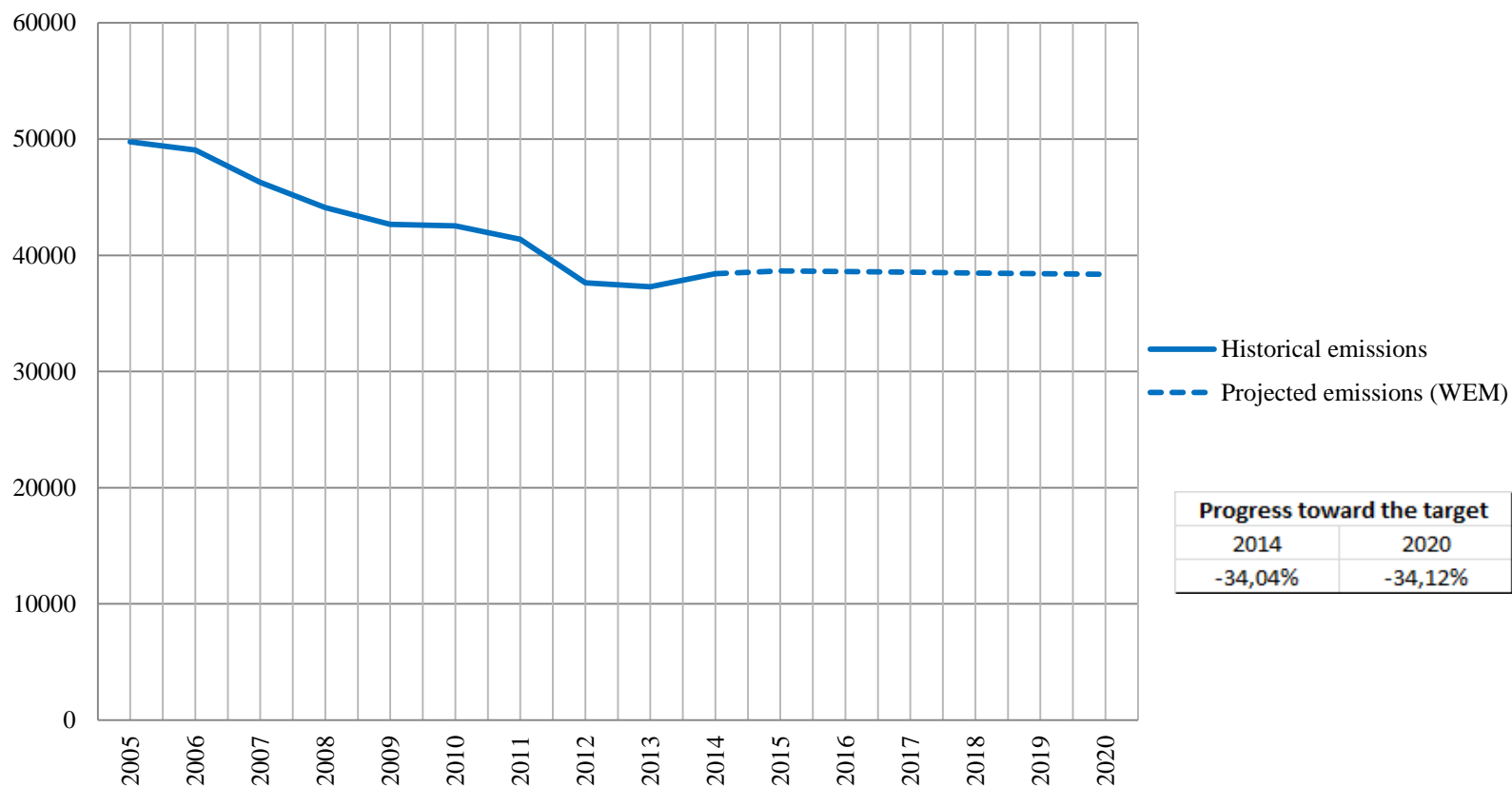


Projected trend of GHG emissions





Progress under ESD





National Climate Change Strategy

- **The first National Climate Change Strategy (NCCS1) 2008-2025**
 - Main areas of intervention:
 - Energy efficiency in buildings
 - Renewable energy utilization
 - Transport
 - Afforestation
- **The second National Climate Change Strategy (NCCS2) 2017-2030** is under review, expected in early 2017



National Energy Strategy scenarios and targets / savings achieved according to the National Energy Efficiency Action Plan

Unit: PJ	2008	2012	2020
Primary energy consumption	1 120	992	1 009
Final energy consumption*	704	600	603
Industry	139	96	114
Transport	192	157	147
Residential	233	215	207
Trade & services	117	116	118
Agriculture and fishery	22	17	17

* Excluding non-energy fuel consumption



National Energy Strategy scenarios and targets / savings achieved according to the National Energy Efficiency Action Plan

Sector/Industry/Groups of measures	Savings achieved by 2008–2012 (PJ)	National target for 2012–2016 (PJ)	National target*** for 2012–2020 (PJ)
Residential	29.7	20.0	40.0
Industry	13.1*	5.0	10.0
Transport	26.6**	7.0	14.0
Agriculture, trade, services and other industries, including public bodies	9.9*	4.5	9.0
Total	79.3	36.5	73.0

A nighttime photograph of the Hungarian Parliament Building and the Chain Bridge in Budapest, Hungary. The Parliament Building is illuminated with warm lights, and the Chain Bridge is lit up with white lights. The Danube River is in the foreground, and the city lights are visible in the background.

Thank you for your attention!

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