

National Inventory Report (NIR) 2016

Sector Agriculture

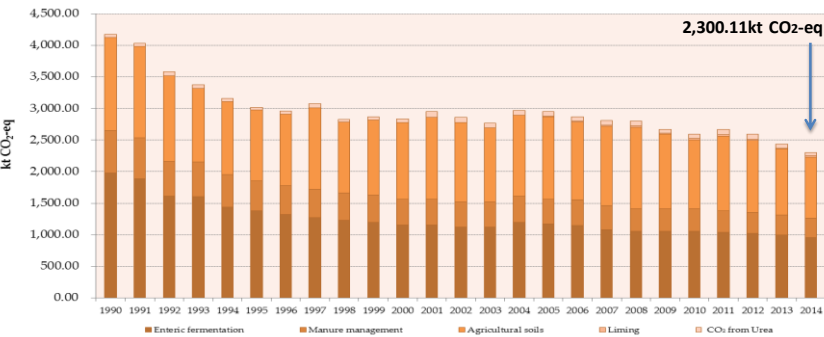
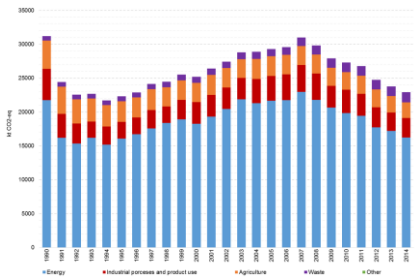
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Croatian Work And Experiences On Estimates On Agriculture
21/06/2016

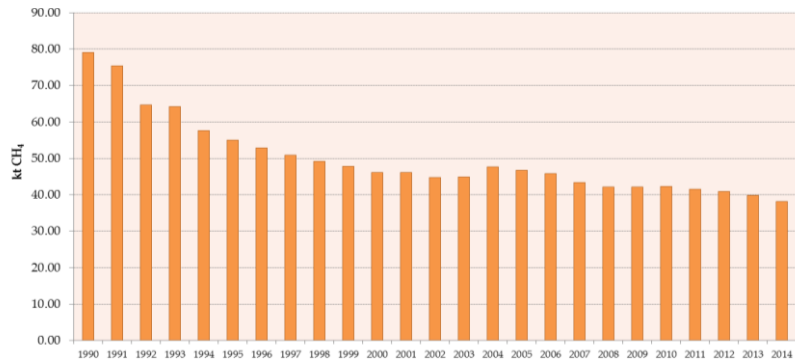
Dora Magdić

Introduction- Agricultural sector

- **10%** of the total inventory emission 2014
- **37% CH₄** from Enteric fermentation (cattle)
- **65% N₂O** from Agricultural soils (nitrogen fertilizers)



Enteric Fermentation CH₄ Emissions (CRF 3.A.)



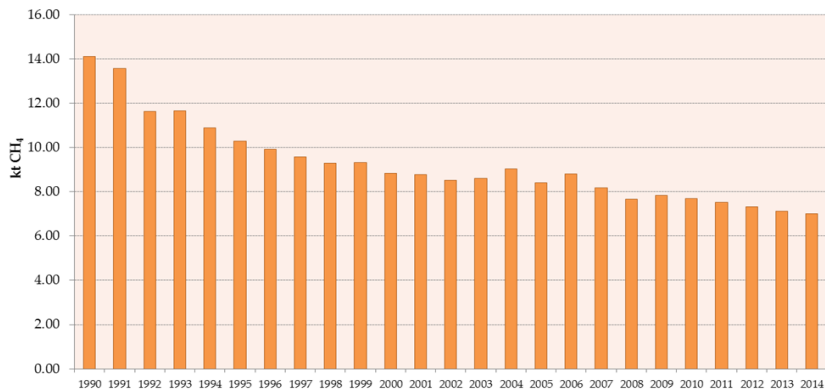
- Tier 2 and Tier 1 IPCC 2006 methodology
- National emission factors for animal species
- Continued improvements – more detailed activity data, improvements and verifications of parameters for Tier 2 emission calculation

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Manure management (CRF 3.B.)

CH₄ emissions (CRF 3.B.1.)

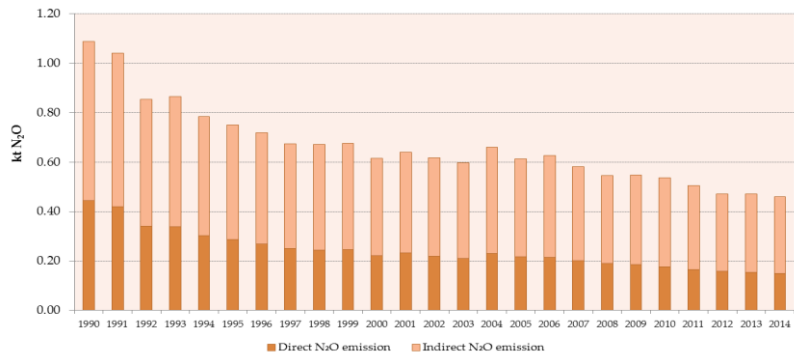
- IPCC 2006/IPCC 2000 Tier 2
- National emission factors



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Manure management (CRF 3.B.)

N₂O emissions (CRF 3.B.2)



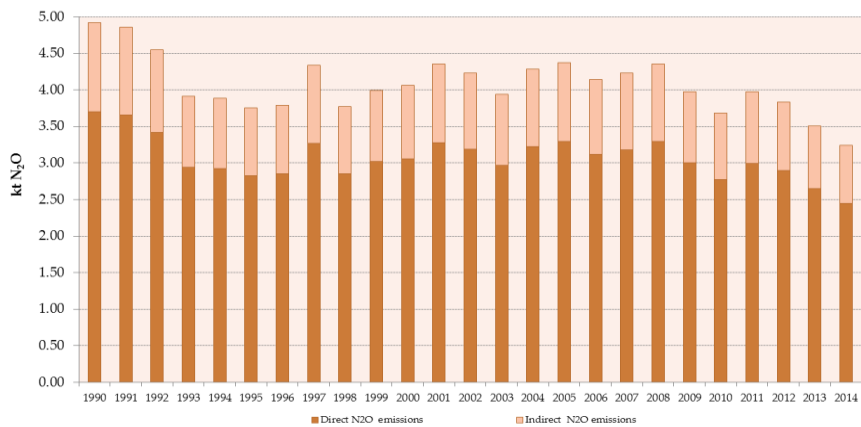
Direct N₂O emissions

Indirect N₂O emissions

- Tier 2 IPCC 2006 methodology
 - Default emission factors and national (Nex,AWMS%) factors
- Tier 1 IPCC 2006 methodology

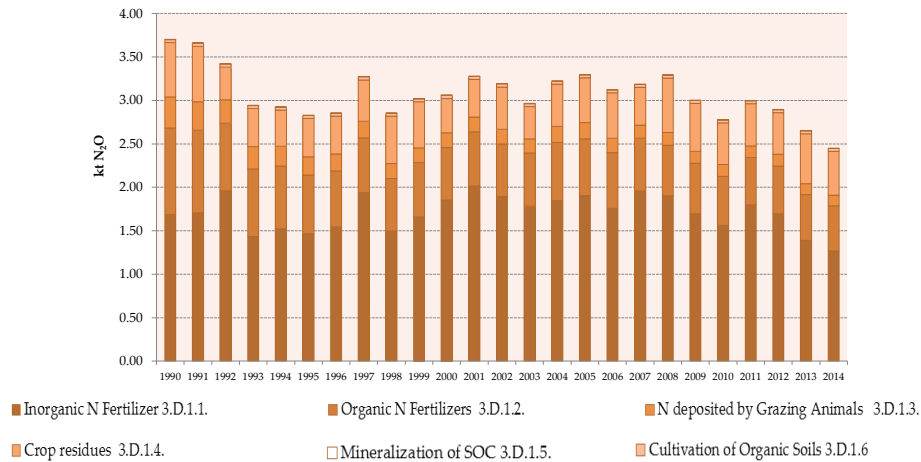
Agricultural soils (CRF 3.D.)

- Direct N₂O Emissions from Managed Soils (CRF 3.D.1.) Tier 1
- Indirect N₂O Emissions from Managed Soils (CRF 3.D.2.) Tier 1



Agricultural soils (CRF 3.D.)

Direct N₂O Emissions from Managed Soils (CRF 3.D.1.)



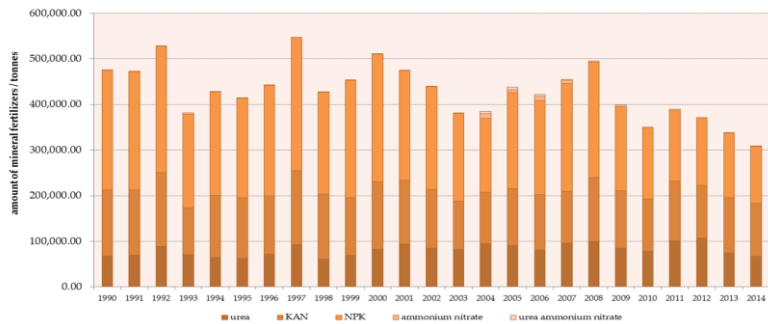
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Agricultural soils (CRF 3.D.)

Planned improvements / problems

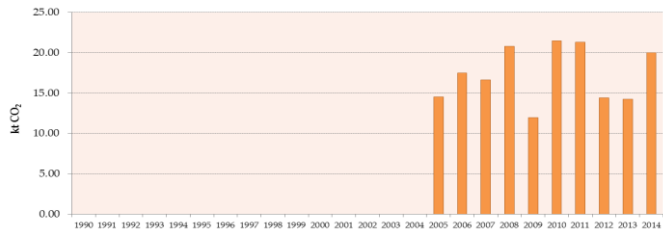
- Continued improvements and investigation of activity data
- Investigation of the difference in statistical data of mineral fertilizer usage
- Investigation into Tier2 and national EFs development

Inorganic N fertilizers

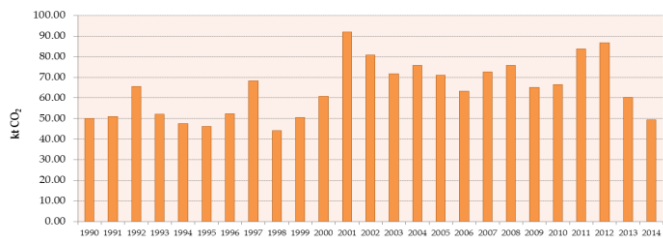


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- **PRESCRIBED BURNING OF SAVANNAS (CRF 3.E.)** **NO**
- **FIELD BURNING OF AGRICULTURAL RESIDUES (CRF 3.F.)** **NO**
- **LIMING (CRF 3.G.) – Tier 1**



- **UREA APPLICATION (CRF 3.H.) – Tier 1**



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Thank you for your attention!

