



**UMHVERFIS  
STOFNUN**

Jóhannes Bjarki Urbancic Tómasson

**Nota hér eða taka með?**

**Praktísk atriði við endurnýtingu úrgangs**

24. maí 2024

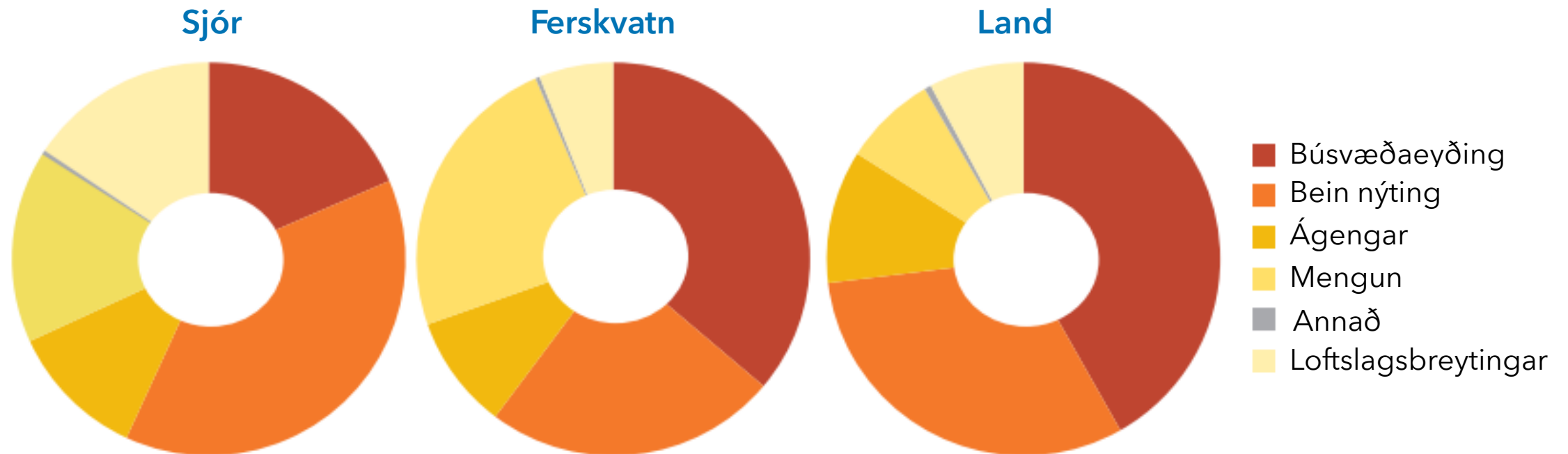


# Sjálfbær þróun

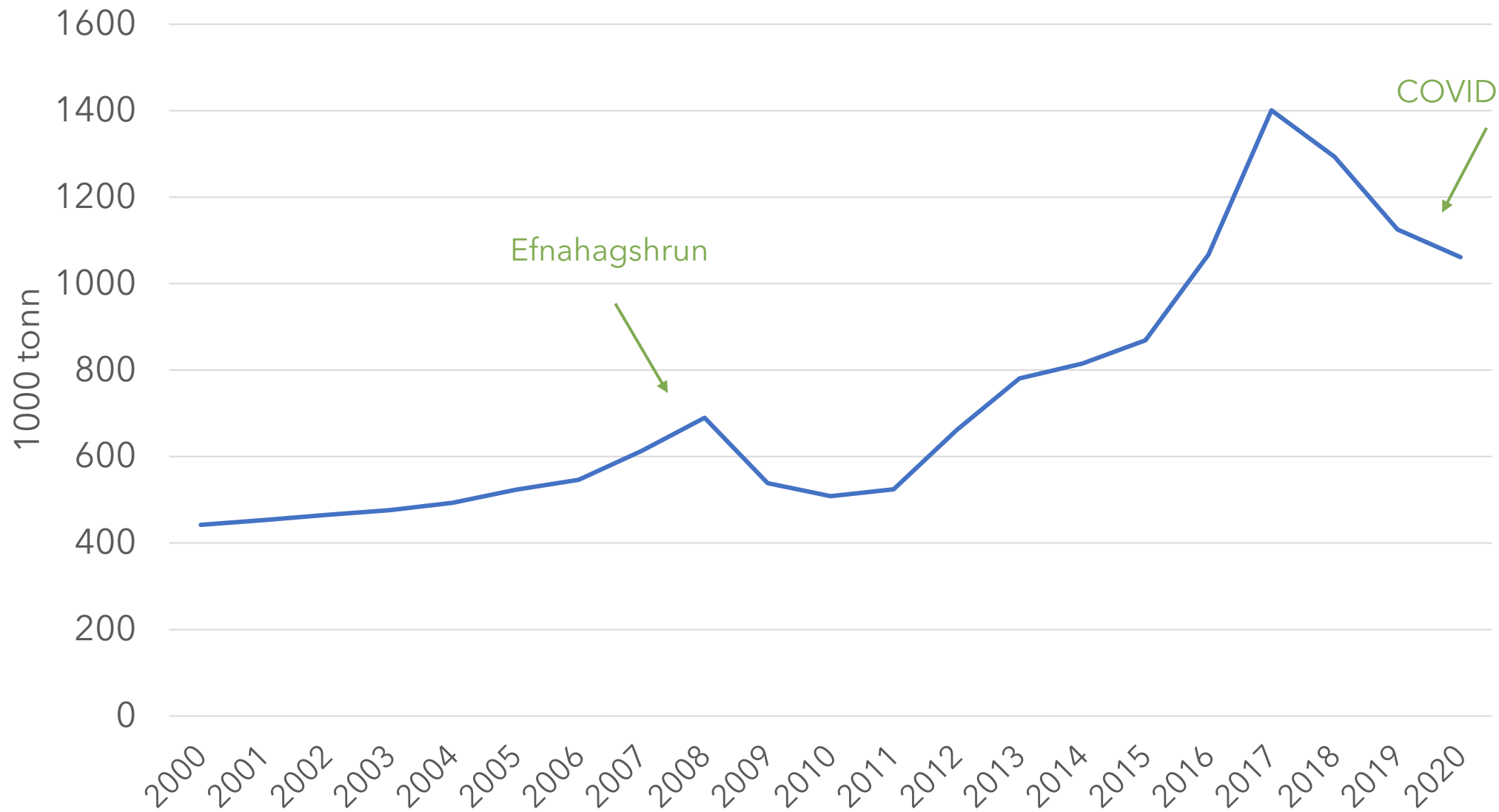


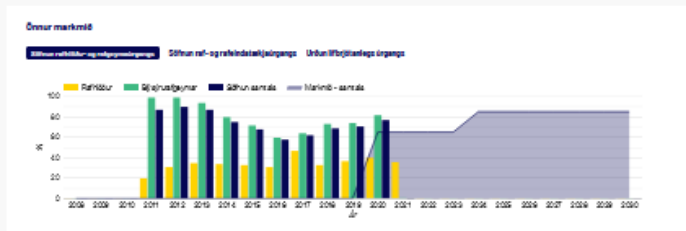
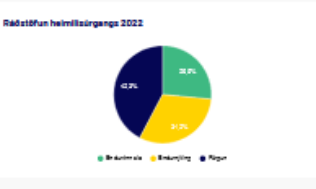
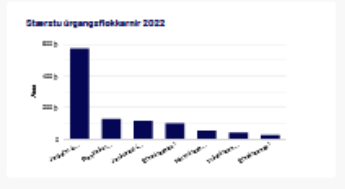
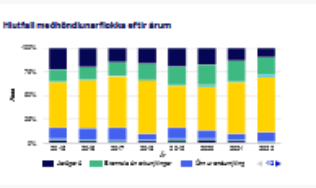
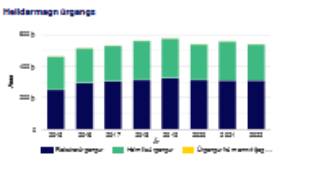
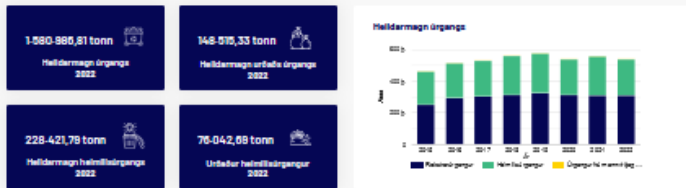
# Ósjálfbærni, ekki loftslagsbreytingar, valda útrýmingu tegunda

## Útrýming tegunda eftir svæðum



# Heildarmagn úrgangs á Íslandi (í 1000 tonnum)





Gagnagráa

Síta 1 af 1 síðu

Ár	Sveitarfélag	Heimilsiúrgangur	Meðhöndlunarfélkna	Spjallmeðhöndlun	Úrgangsfélkna	Þyngd
Síða	Síða	Síða	Síða	Síða	Síða	Síða
2022	Alþýða atvika	Fréttavæðing	jarðvegi	Héttuþéttir	Þyngd og þyngdangangur, véttuþéttir	168.80 tonn
2022	Byggingaheildun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun	29.80 tonn
2022	Byggingaheildun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	1.26 tonn
2022	Héttuþéttir	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	28.82 tonn
2022	Meðhöndlun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	2.88 tonn
2022	Byggingaheildun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	17.88 tonn
2022	Meðhöndlun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	38.22 tonn
2022	Meðhöndlun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	4.28 tonn
2022	Meðhöndlun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	2.88 tonn
2022	Meðhöndlun	Fréttavæðing	jarðvegi	Héttuþéttir	Meðhöndlun, véttuþéttir	29.82 tonn
						Σ = 1.638.851,40

# Aðgengileg tölfræði

- Mælaborð á úrgangur.is
- Upplýsingar um:
  - Magn úrgangs
  - Gerð
  - Meðhöndlun
  - Atvinnugreinar
  - Sveitarfélag



## LINEAR ECONOMY

Take  
↓  
Make  
↓  
Use  
↓  
Waste



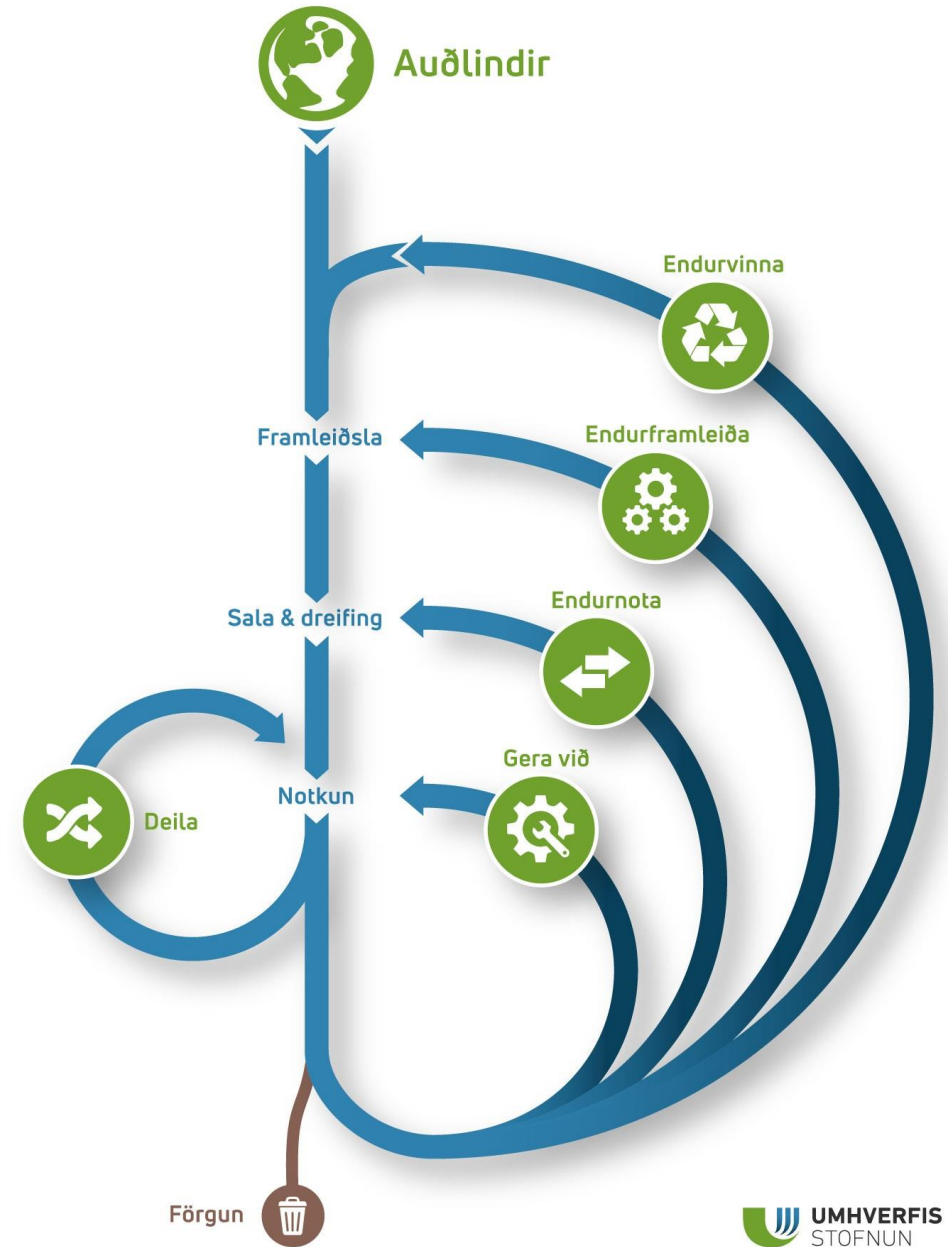
## RECYCLING ECONOMY


Take  
↓  
Make  
↓  
Use  
↓  
Waste  
↙  
Recycle  
↘



## CIRCULAR ECONOMY

Take  
↓  
Make  
↓  
Use  
↙  
Recycle  
↘  
Repair  
↖  
Reuse  
↗  
Return



A medium shot of Michael Scott from the TV show 'The Office'. He is wearing a brown suit, a light-colored shirt, and a striped tie. He has his signature glasses on and is looking directly at the camera with a neutral expression. The background shows an office cubicle with a window covered by white blinds. The lighting is soft and indoor.

**It's part of my  
green initiative.  
And by green, I mean money.**



# Það er fullt að gerast í Evrópu

## Timeline

- 14 February 2023** The Commission proposes 2030 zero-emissions target for new city buses and 90% emissions reductions for new trucks by 2040
- 13 February 2023** The Commission sets out rules for renewable hydrogen
- 24 January 2023** Presentation of a 'A New Deal for Pollinators' to tackle the alarming decline in wild pollinating insects in Europe
- 18 December 2022** EU agrees to strengthen and expand emissions trading, and creates a Social Climate Fund to help people in the transition
- 9 December 2022** New rules on applying the EU emissions trading system in the aviation sector
- 6 December 2022** EU agrees law to fight global deforestation and forest degradation driven by EU production and consumption
- 30 November 2022** Circular Economy: Packaging and Packaging Waste Regulation  
Proposal for a first EU-wide voluntary framework to reliably certify high-quality carbon removals
- 15 November 2022** EU Algae Initiative
- 10 November 2022** Proposal for new Euro 7 standards to reduce pollutant emissions from vehicles and improve air quality  
Biodiversity: Stronger measures against wildlife trafficking
- 27 October 2022** The Council and the European Parliament reach a provisional political agreement on stricter CO2 emission performance standards for new cars and vans
- 26 October 2022** Commission proposes stronger rules for cleaner air and water
- 15 September 2022** Proposal for an emergency market intervention to reduce energy bills for Europeans

- 20 July 2022** 'Save gas for a safe winter' proposal
- 22 June 2022** Nature protection package
- 18 May 2022** REPowerEU plan: affordable, secure and sustainable energy for Europe
- 22 April 2022** The European Commission joins the European Climate Pact and pledges to make its operations climate neutral by 2030
- 5 April 2022** Proposals to phase down fluorinated greenhouse gases and ozone depleting substances
- 5 April 2022** Proposals to modernise EU industrial emissions rules to steer large industry in long-term green transition
- 30 March 2022** Proposals to make sustainable products the norm in the EU, boost circular business models and empower consumers for the green transition
- 23 March 2022** Options to mitigate high energy prices with common gas purchases and minimum gas storage obligations
- 8 March 2022** REPowerEU: Joint European action for more affordable, secure and sustainable energy
- 15 December 2021** Proposal of a new EU framework to decarbonise gas markets, promote hydrogen and reduce methane emissions
- 15 December 2021** Commission proposals to remove, recycle and sustainably store carbon
- 14 December 2021** New transport proposals target greater efficiency and more sustainable travel
- 17 November 2021** Proposals to stop deforestation, innovate sustainable waste management and make soils healthy
- 15 September 2021** New European Bauhaus: new actions and funding

- 14 July 2021** Delivering the European Green Deal
- 17 May 2021** Sustainable blue economy
- 12 May 2021** Zero pollution Action Plan
- 25 March 2021** Organic Action Plan
- 24 February 2021** New EU strategy on adaptation to climate change
- 18 January 2021** New European Bauhaus
- 10 December 2020** European Battery Alliance
- 9 December 2020** European Climate Pact
- 19 November 2020** Offshore renewable energy
- 14 October 2020** Renovation wave  
Methane Strategy  
Chemicals strategy for sustainability
- 17 September 2020** Presentation of the 2030 Climate Target Plan
- 8 July 2020** Adoption of the EU strategies for energy system integration and hydrogen to pave the way towards a fully decarbonised, more efficient and interconnected energy sector
- 20 May 2020** Presentation of the EU Biodiversity Strategy for 2030 to protect the fragile natural resources on our planet  
Presentation of the 'Farm to fork strategy' to make food systems more sustainable

## Helstu atriði til að huga að við framleiðslu vöru úr úrgangi

- Að úrgangi sé breytt í vöru sem er hægt að setja á markað.
- Að hægt sé að nota vöruna á sambærilegan hátt og vöru á markaði.
- Að hægt sé að geyma og nota úrganginn á þann hátt að hann valdi ekki verri umhverfisáhrifum en sambærileg vara á markaði.
- Að framleiðandi tryggji að varan uppfylli ávallt settar kröfur.

# Ráðgefandi álit Umhverfisstofnunar

- Í núverandi regluverki þarf að sækja um **ráðgefandi álit** frá Umhverfisstofnun til að framleiða vöru úr úrgangi.
- Örfáar undantekningar á reglunni.
- Líklegt að ráðgefandi álit muni heyra sögunni til.

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## Aðgerð 25. Mat á reglum sem gilda um lok úrgangsfasa.

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### Markmið

Að gæði vöru sem framleidd er úr úrgangi séu ávallt tryggð.

### Lýsing

Mikilvægt er að vörur sem framleiddar eru úr úrgangi skapi ekki hættu fyrir heilbrigði manna og dýra eða valdi skaða á umhverfinu. Aðgerðin felst í því að leggja mat á þau ákvæði laga og reglugerða sem gilda um setningu vöru á markað sem framleidd er úr úrgangi með endurvinnslu eða annarri endurnýtingu og leggja mat á það hvernig framkvæmd ákvæðanna hefur reynst. Aðgerðin felst jafnframt í mati á hvort þörf sé á breytingum á lögum eða reglum og hvort þörf sé á virkara eftirliti með vörum úr úrgangi sem settar eru á markað hér á landi. Ef svo reynist felst mótun tillagna þess efnis enn fremur í aðgerðinni.

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# Hvað er planið?

- Ísland endurnýti 70% af byggingar- og niðurrifsúrgangi.
- Aðrir úrgangsflokkar verði líka betur nýttir.
- Auðveldara verði að endurnýta hráefni en að farga því.





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