

# **Leiðarspákerfi Veðurstofu Íslands**

**Hróbjartur Þorsteinsson**

**Rannsóknaráðstefna Vegagerðarinnar  
30. október 2020**

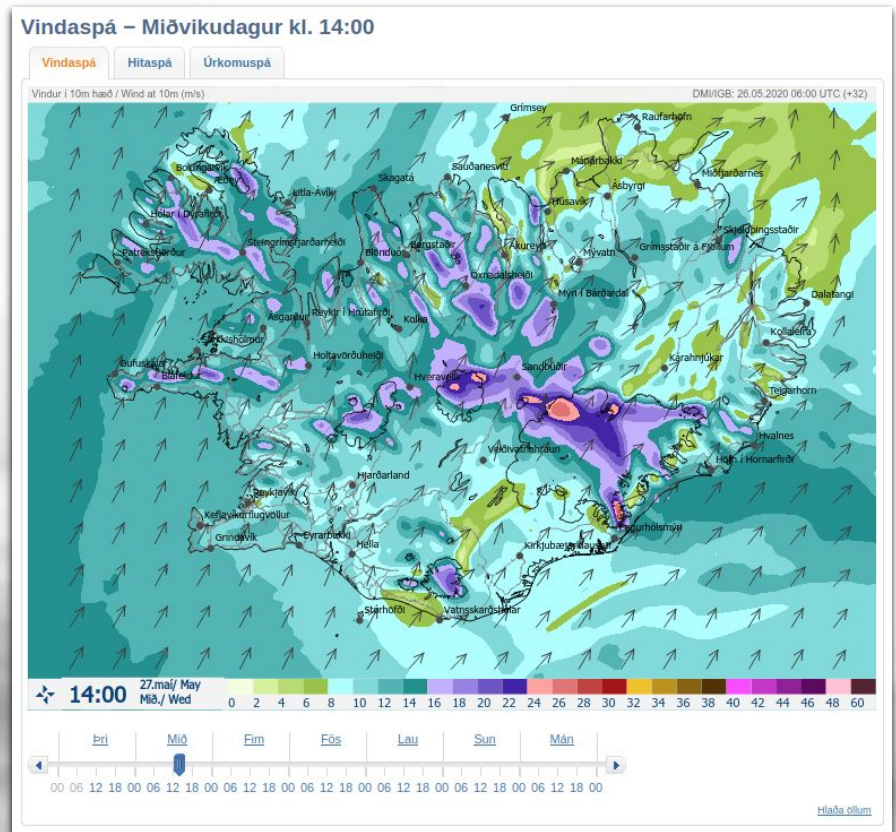
# Veðuspá á leiðinni

Hvenær á ég að fara?

Kemst ég á leiðarenda?

Ætti ég að fara aðra leið?

Hverju má ég búast við á leiðinni?



# Vegveður App

The screenshot displays the Vegveður App interface. On the left, the 'departure' section shows the starting point as Reykjavik at 10:28 on 30/04, with a time range of -1h to +1h. The 'waypoint' section shows the destination as Akureyri with a speed limit of 80 km/h. The central map shows a yellow route from Reykjavik to Akureyri, with a red segment indicating a 'strong icing risk wet road' and a yellow segment indicating 'snow on road'. On the right, a weather panel shows the current time as 14:54 on 30/04, a distance of 355km, and various weather metrics including wind speed (9.1 m/s), precipitation (0.1 mm/h), and a WSI (Wet Snow Index) of 1.5. A bottom status bar shows a warning for 'snowfall in proximity, icing risk, snow on road, wet road' and a color-coded road condition bar.

**departure**  
Reykjavik  
10:28 30/04  
-1h +1h +  
**waypoint**  
Akureyri  
80 km/h

**14:54 30/04**  
**355km**  
9.1 m/s 12.4 m/s  
0.1 mm/h 0.2 mm/h  
0.1 mm/h **1.5 mm/h**  
1.6 °C >999 m  
67% **WSI**

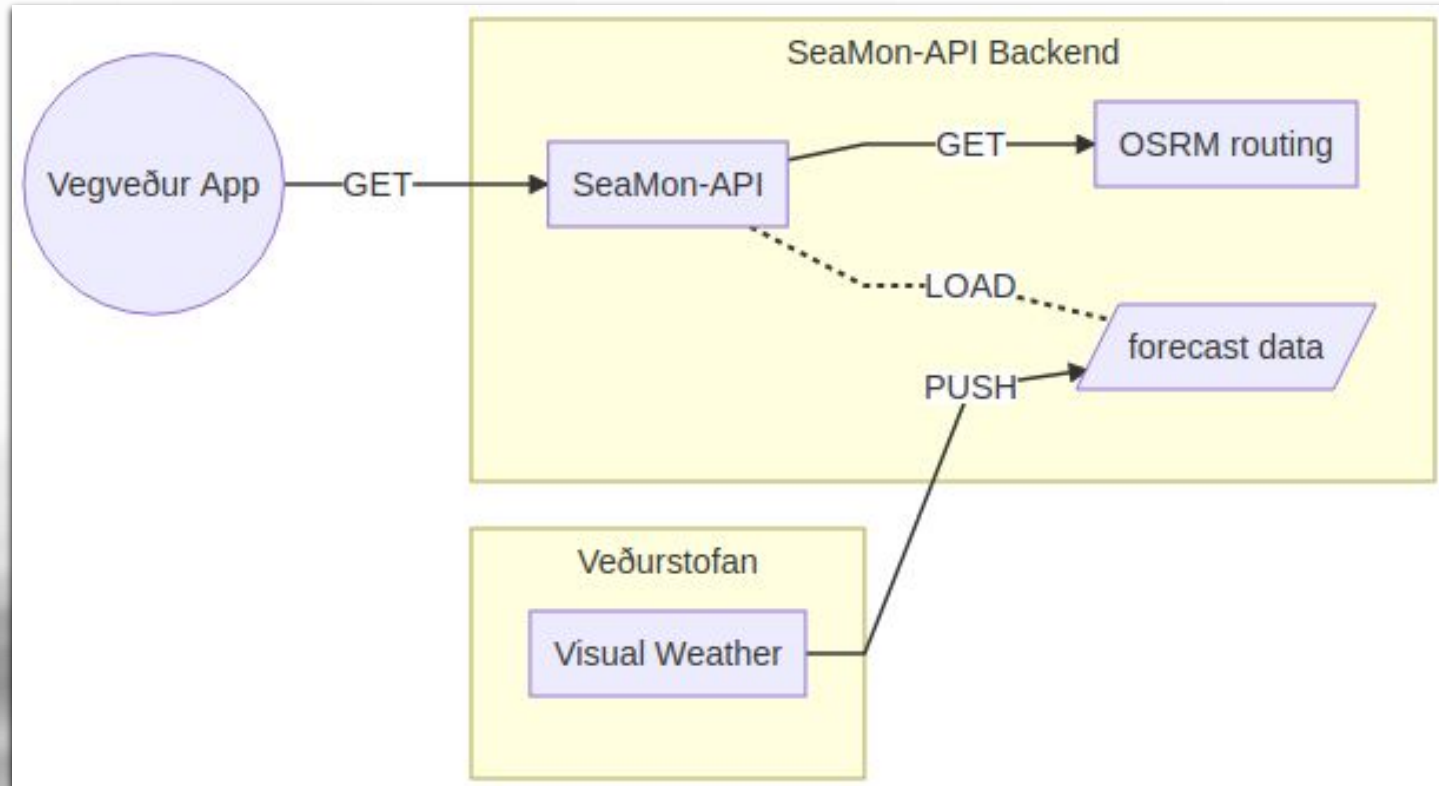
**snow on road**  
**strong icing risk wet road**

**! snowfall in proximity, icing risk, snow on road, wet road**

# fylgist með spá um færð framundan



# Kerfishönnun



# Viðmótshönnun

departure

reykjavik

18:13 30/03

-1h +1h +

waypoint

Egilsstaðir

80 km/h




20:01 30/03  
144km

	17.1 m/s		22.0 m/s
	0.0 mm/h		0.0 mm/h
	0.8 mm/h		0.8 mm/h
	-0.8 °C		300 m
	100 %		S



# SeaMon-API (skýpþjónusta)



 SeaMon.forecast

## SeaMon-API 1.0-alpha

Home

How to use

Examples ▾

Forecast Models

REST-API ▾

SDK ^

SDK Overview

SeaMon.forecast

SeaMon.models

SeaMon.version

SeaMon.saved

SeaMon.graphics.echarts

SeaMon.graphics.leaflet

waypts array of  
waypoint

params array of  
parameter

server string

token string

save boolean Stores forecast data response so that can be recalled  
[true/false] and shared using the saved endpoint.

read the API docs at [docs.seamon.io](https://docs.seamon.io)

Example

## Example

```
SeaMon.forecast.drive([[ 'Reykjavik', '19-05-01T12:00' ], [ 'Akureyri', '19-05-01T12:00' ]], {  
  'waypts': [[ 'wind', 'temp' ]],  
  'save': true  
})  
  .then(data => {  
    doSomething(data);  
  })  
  .catch(err => {  
    console.error('caught exception:', err);  
  });
```

# SeaMon-API (skýpþjónusta)

## HTTP REST

```
https://api.seamon.io/forecast?drive=(Thorlakshofn;now),(Stadarskali;80kph),  
(Stadarskali;prev_plus_2h),(Akureyri;80kph)&params=igb|wind,temp
```

## JavaScript SDK

```
SeaMon.forecast.drive([[ 'Reykjavik', '19-05-01T12:00' ], [ 'Akureyri', '80kph' ]],  
                      [ 'igb|wind', 'igb|temp' ])  
  .then(data => {  
    doSomething(data);  
  })  
  .catch(err => {  
    console.error('cought exception:', err);  
  });
```



# Notagildi



# Yfirsýn um færð hjá vetrarþjónustu



# Sjálfakandi farartæki



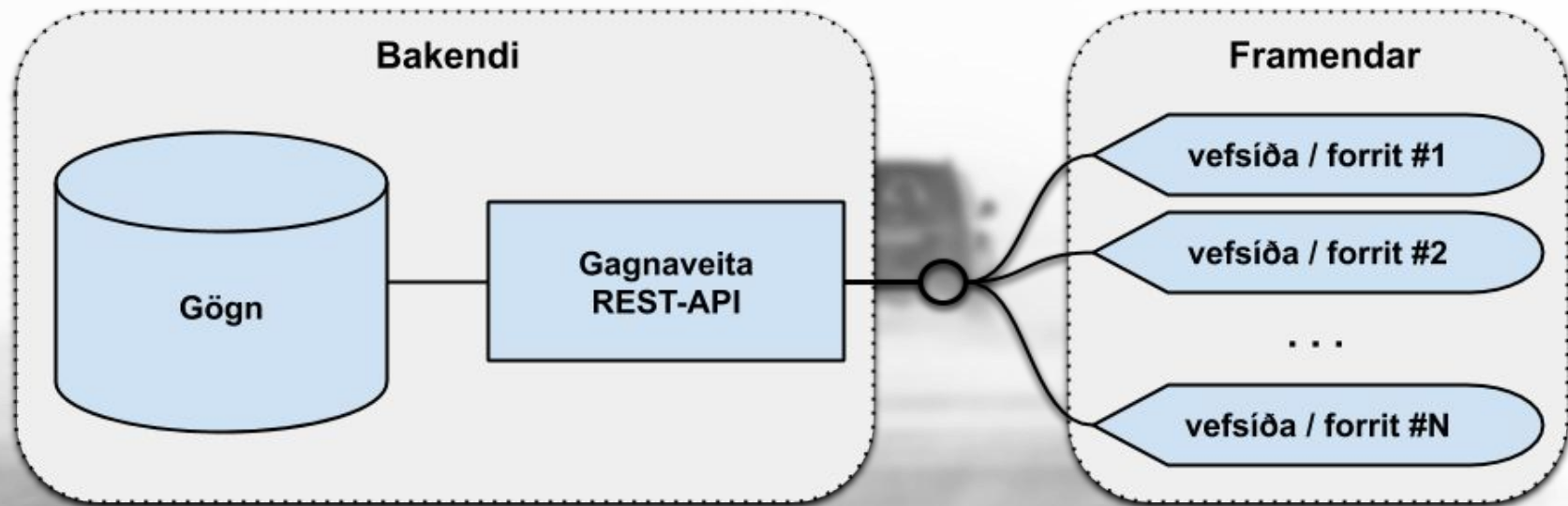
# Leiðsögukerfi í bílum



# Nákvæmari tölur um drægni rafbíla



# Spágagnaveitur og framtíðin





VEGAGERÐIN

Vetrarþjónusta  
Símaþjónusta  
Vefur  
Vega-app

ALMANNABJÓNUSTUR



VÖRUFLUTNINGAR




Veðurstofa  
Íslands

Eftirlit og Spá  
Símaþjónusta  
Vefur  
Veðurappið



SPÁVEITUR

UPPLÝSINGAVEITUR



FERÐAÞJÓNUSTA



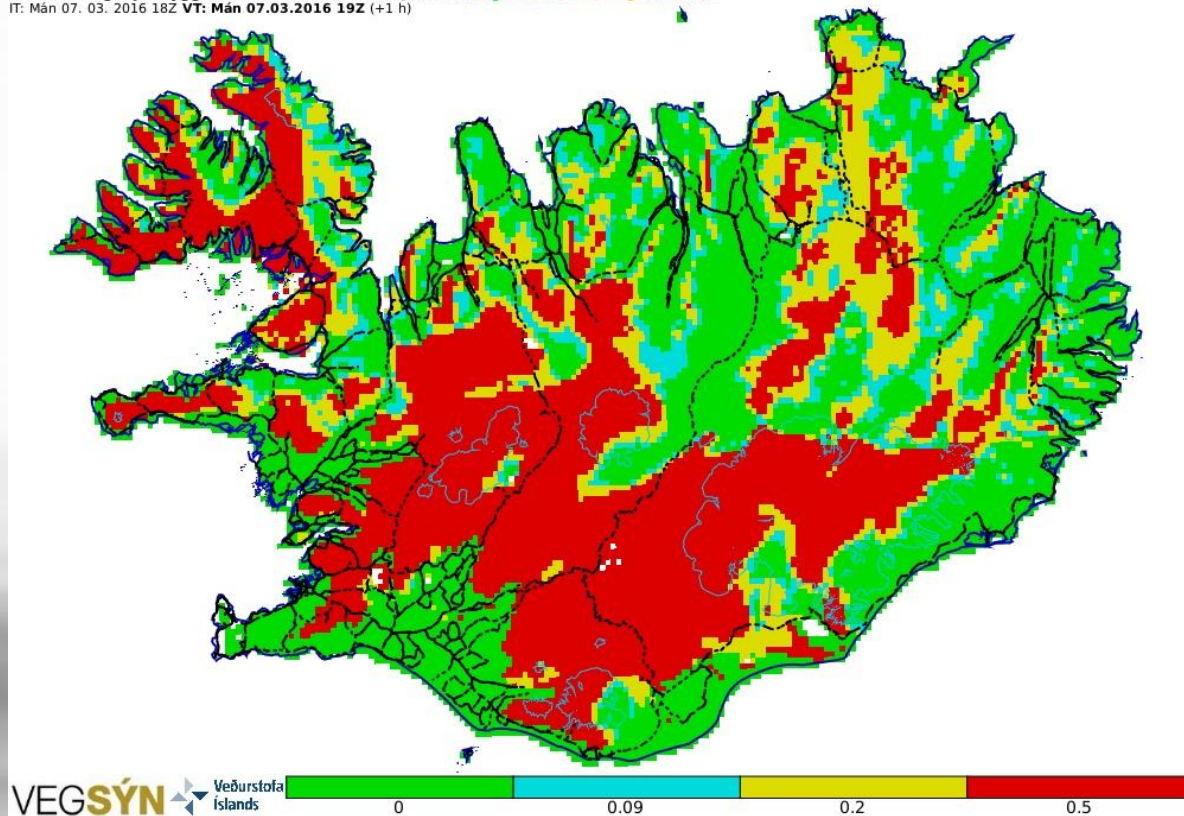
**Takk fyrir!**





# Næstu skref

Skafrænningsspá byggð á Harmonie: Skafrænningsstuðull (enginn, lítill, miðlungs, mikill),  
IT: Mán 07. 03. 2016 18Z VT: Mán 07.03.2016 19Z (+1 h)



# Vegkerfisspár

