

# Benchmarking 2022

New Framework 5G Crowd Scores Preview.





# Foreword

## What is the purpose of this document?

Based on widespread interest, provide an indication of the direction which crowdsourcing-based scores will take in 2022, onboarding new aspects of the umlaut framework.

## What does this document contain?

Crowd Score results, anonymized on market level, based on the final released score model v1.0, dated Apr 25, 2022 applied to pre-production data for the 5G scope.

## What are umlaut's next steps?

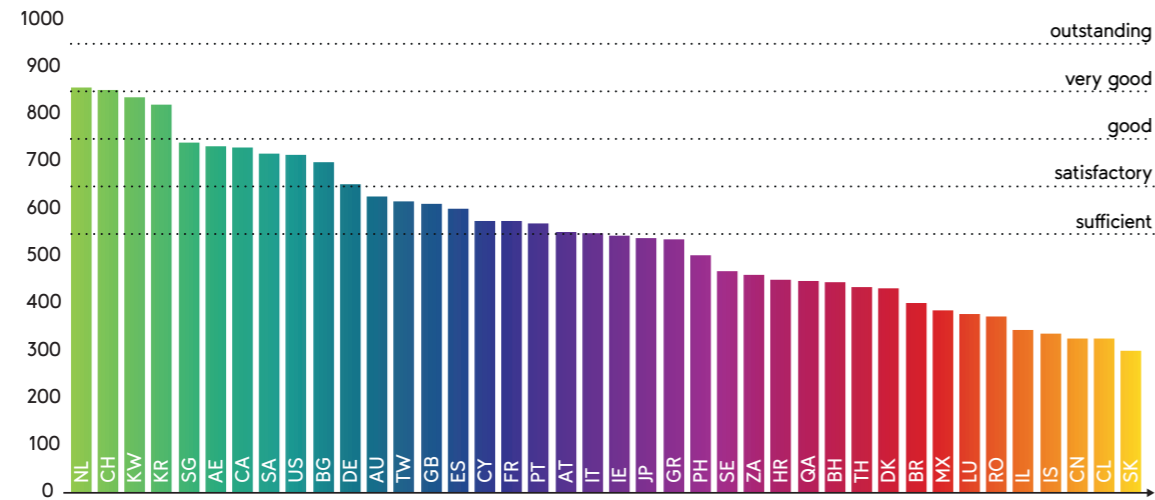
umlaut will finalize production data under the 2022 framework in order to support its various use cases around network performance intelligence: optimization, performance reporting, benchmarking and marketing support.





# Top 40 Networks

## 5G overall

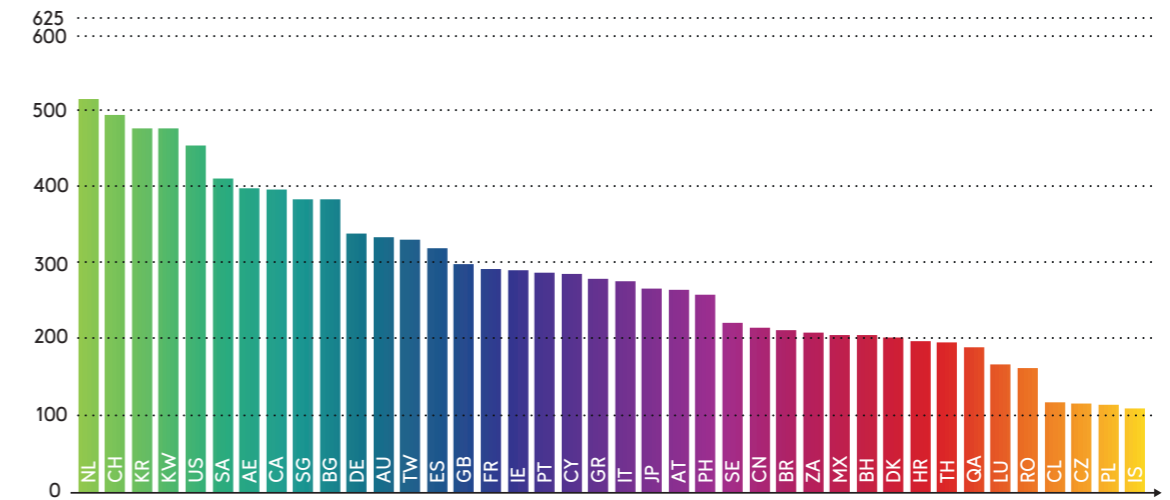


The chart shows the best networks out of the 40 top scoring markets globally with respect to the 5G scope, based on aspects of coverage, speed, latency and stability KPIs.

First networks already achieve “very good” results. With maturing deployments, this share can be expected to grow.



# 5G Reliability



The chart shows the best networks out of the 40 top scoring markets globally with respect to the subset of KPIs that constitute the 5G reliability sub-scope, consisting of coverage,

speed, latency and stability aspects. The high spread illustrates the early state of development on global 5G.



# Disclaimer

All figures and information shown represent excerpts from work in progress (as far as underlying KPI data is concerned), no warranty for correctness is given. The numbers and the ranking can be subject to change and numbers are shown irrespective of eligibility or statistical concerns. The information presented in this slide deck represents the status and knowledge at the time of sharing.

umlaut has carefully reviewed all information contained herein but still accepts no liability for its correctness.

As such, we point out that the presented information can be subject to change or amendment, e.g. when Errors are discovered or Technical conditions change.



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