



Using ECMWF's Forecasts

UEF2021



“Weather in extraordinary circumstances”

1 – 4 June 2021



Based of UEF feedback!

Your vote

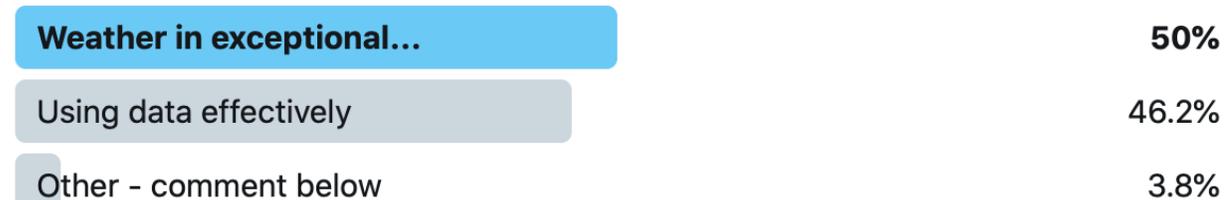
Ensembles

Collab



Becky Hemingway
@beckyhemingway9

VOTE 🗳️ for the @ECMWF Using ECMWF Forecasts #UEF2021 theme! Have your say on what you'd like to learn more about, more detail in following tweets! Comments welcome 😊



106 votes · Final results
1:55 PM · Sep 28, 2020 · Twitter Web App

5 Retweets 5 Quote Tweets 11 Likes



Climate Products

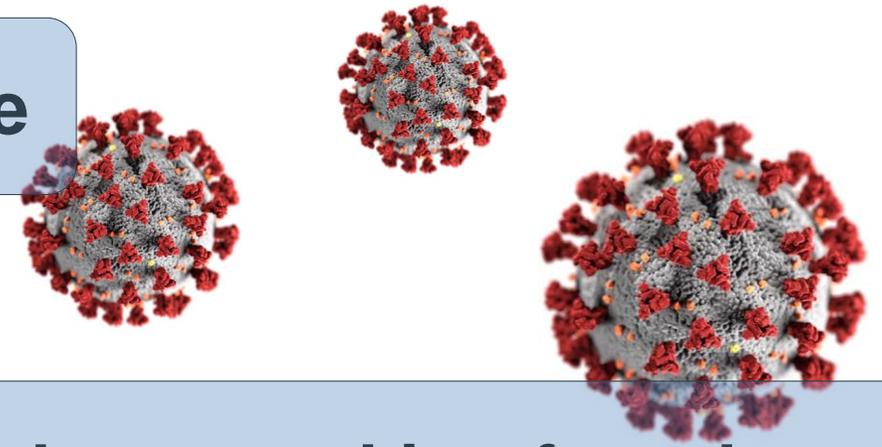
Big Data

Model
Performance

Post-processing

Medium Range
Forecasting

2020/2021 has been an extraordinary time



We have been working from home

Working with colleagues remotely

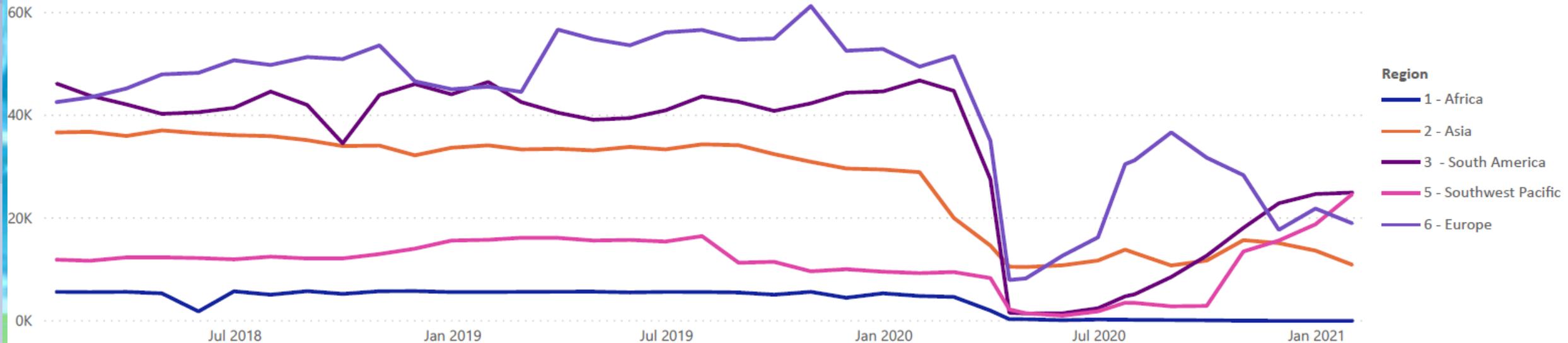


Attending events from the sofa

The global meteorological community has worked to adapt to the current situation and its consequences

Reduced aircraft observation data lead to new datasets being explored

Aircraft-Based Observations Monthly mean observations per day on WIS - Regional Programs



The global meteorological community has worked to adapt to the current situation and its consequences

Adapting to working from home allowed model upgrades to be successfully implemented



ECMWF @ECMWF · Jul 1, 2020

ECMWF has successfully implemented a wide-ranging upgrade of its Integrated Forecasting System.

Find out how [#IFS47r1](#) improves global weather forecasts and substantially improves analyses and forecasts in the stratosphere: ecmwf.int/en/about/media... [#newfcsystem](#)

ECMWF
Integrated Forecasting System upgrade

What is new in IFS Cycle 47r1 and how does it improve forecasts?

29 67



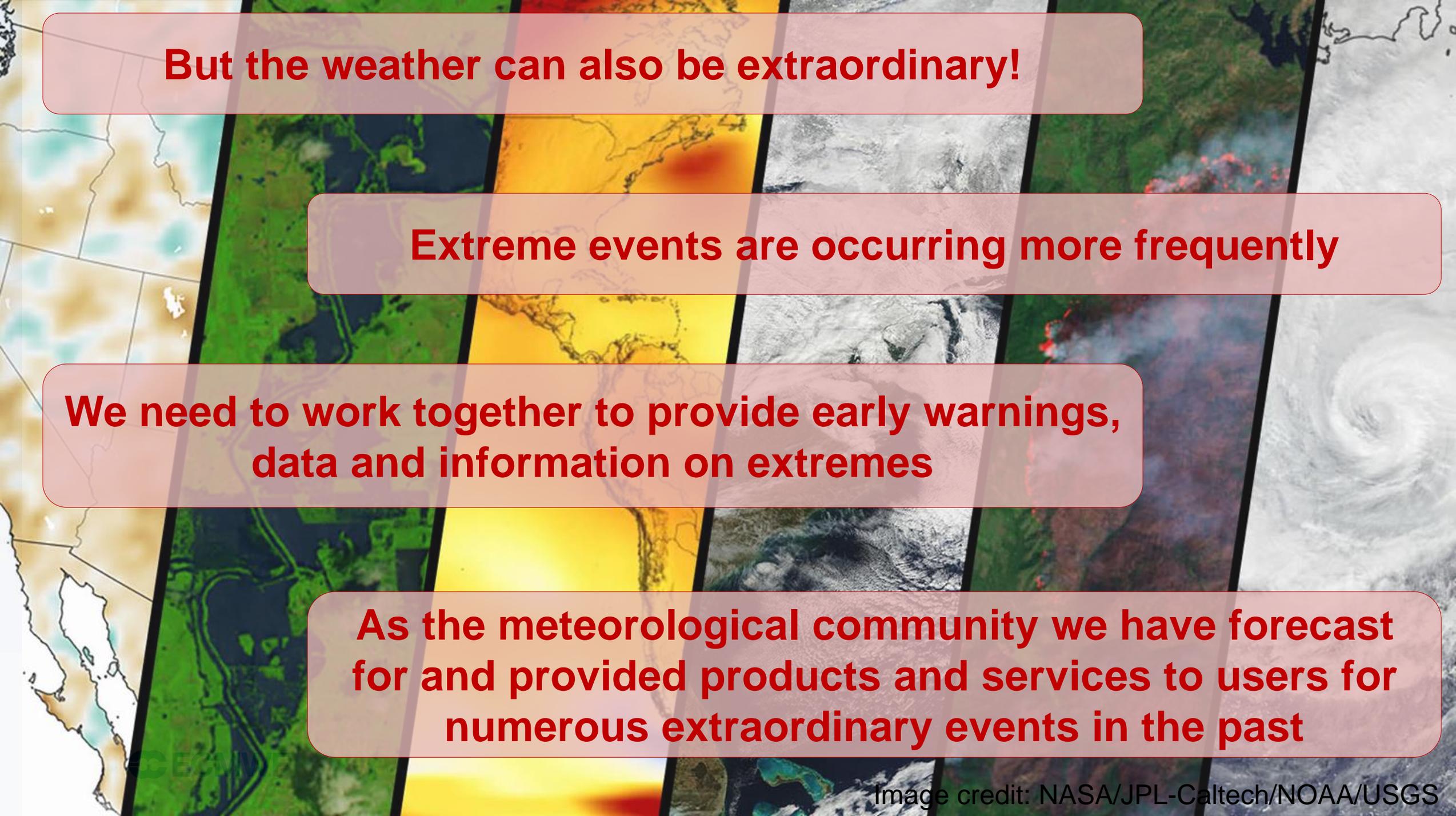
ECMWF @ECMWF - Nov 30, 2020

Ahead of the upgrade of ECMWF's forecasting system in May 2021, Director of Research Andy Brown will give a webinar on 2 Dec 2020 at 14:30 UTC, repeated 15 Dec at 08:30 UTC, to introduce [#IFS47r2](#). Details at confluence.ecmwf.int/display/FCST/I... [#newfcsystem](#)

ECMWF
Integrated Forecasting System upgrade

Introducing IFS Cycle 47r2

Learn all about what's been keeping us busy @ECMWF during the last 6 months - our new cycle upgrade to [#IFS47r2](#), which will be put into operations in spring 2021, something to look forward to 🌞 Well done to all the teams [#WorkingFromHome](#) to make this happen 🙌

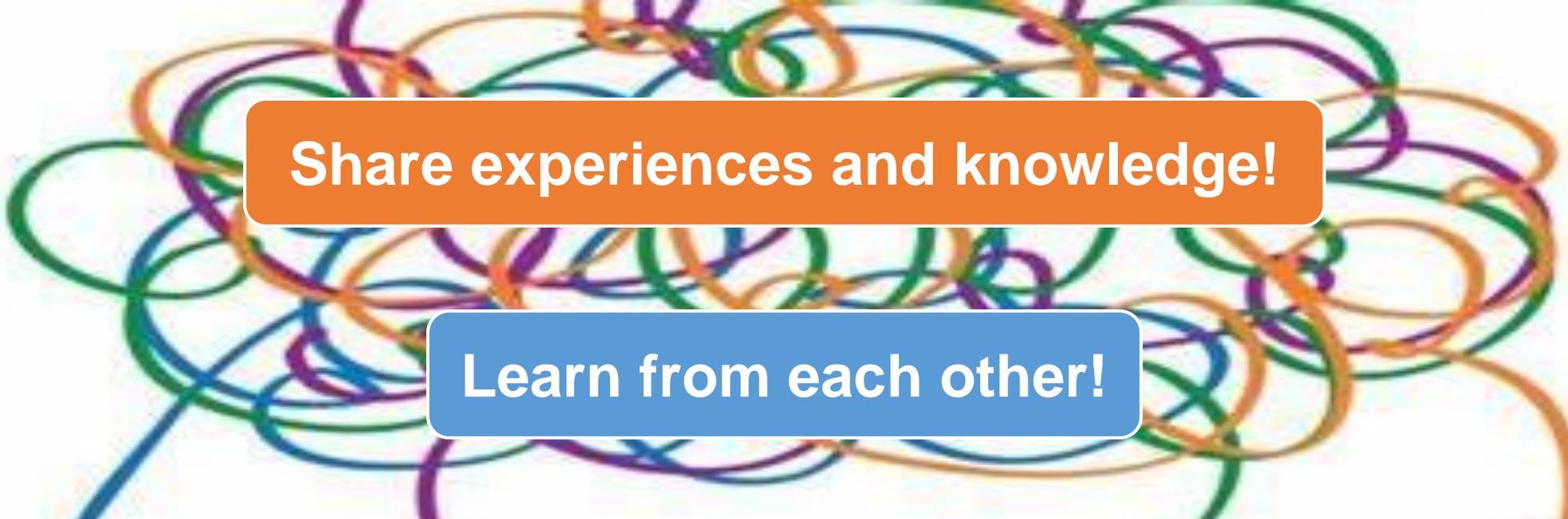


But the weather can also be extraordinary!

Extreme events are occurring more frequently

**We need to work together to provide early warnings,
data and information on extremes**

**As the meteorological community we have forecast
for and provided products and services to users for
numerous extraordinary events in the past**



Share experiences and knowledge!

Learn from each other!

So we are as prepared as we can be for when something extraordinary occurs



Weather in Extraordinary Circumstances



Thematic areas:

- Severe weather and hazard forecasting including extremes and impacts
- Forecasting in extraordinary circumstances
- Unforeseen impacts of extraordinary circumstances which affected forecasting or modelling
- Extraordinary collaborations

Special Session:

- Recent developments in assessing societal impacts of extreme meteorological events at a national level



Copernicus Day @ UEF2021
Thursday 3 June





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I wish you an “extraordinary” event!