Royal Netherlands Air Force

Concept of operation RNLAF; "SCENARIO FORECASTING"

Military Operations

Recourses
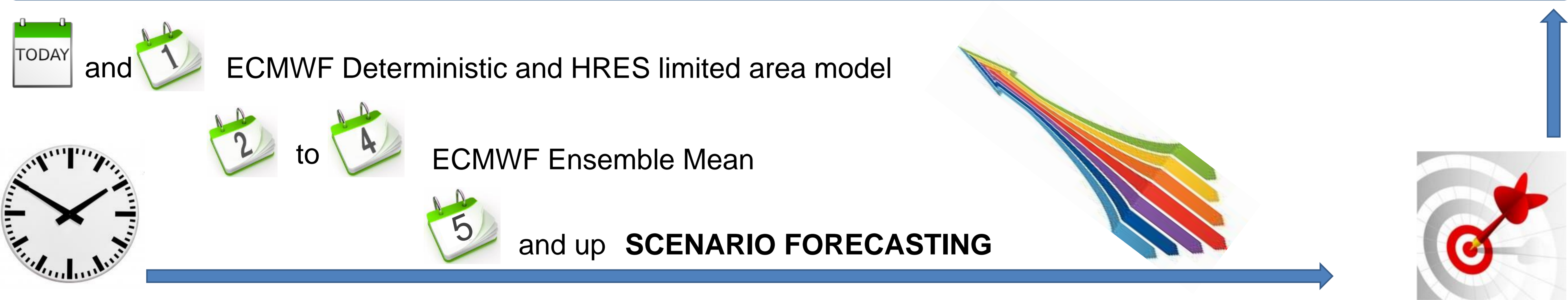
- Assets
- Exercise areas

+

Operations

- Multinational
- More complex

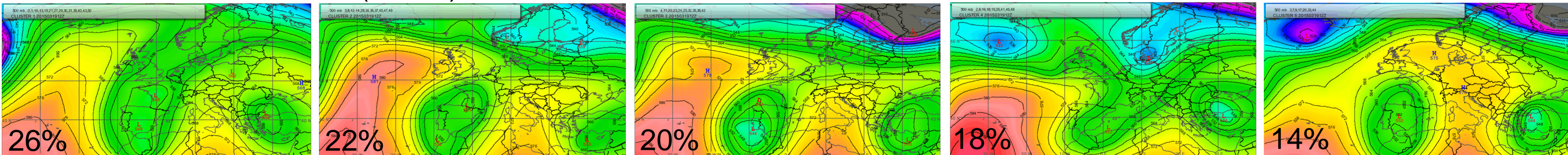**=**

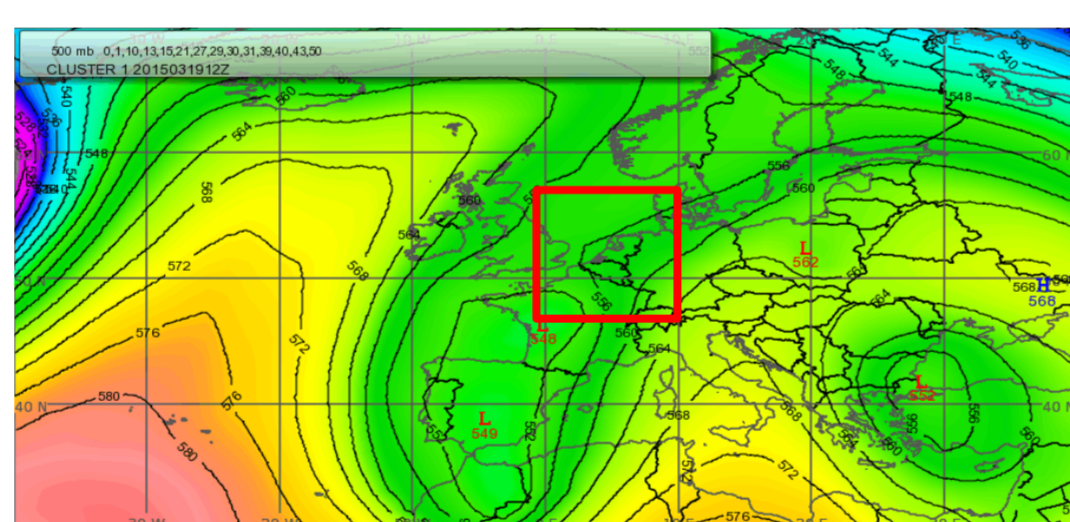### Planning

- Time increases
- Becomes crucial

Weather Support

TODAY and 1   ECMWF Deterministic and HRES limited area model

2 to 4   ECMWF Ensemble Mean

5   and up **SCENARIO FORECASTING**

SCENARIO FORECASTING

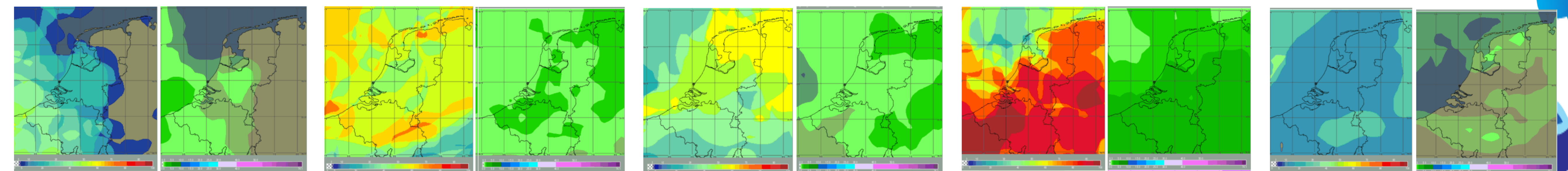ECMWF 500hPa Clusters (max 6)

26%   22%   20%   18%   14%

Forecaster in the loop (FITL)

1. Select area of interest (AOI)
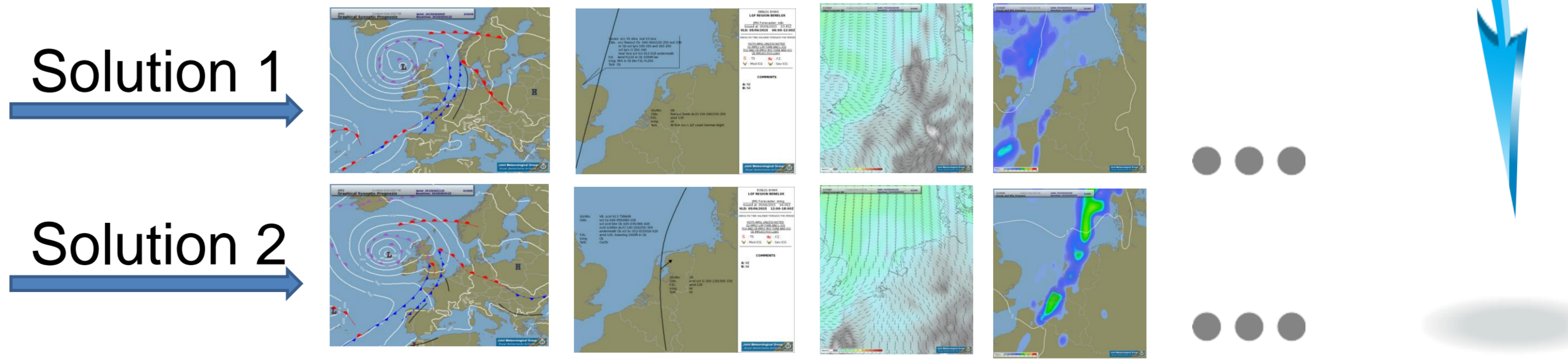2. Define area/mission key parameters

Automated product generation (APG)

1. Selected AOI
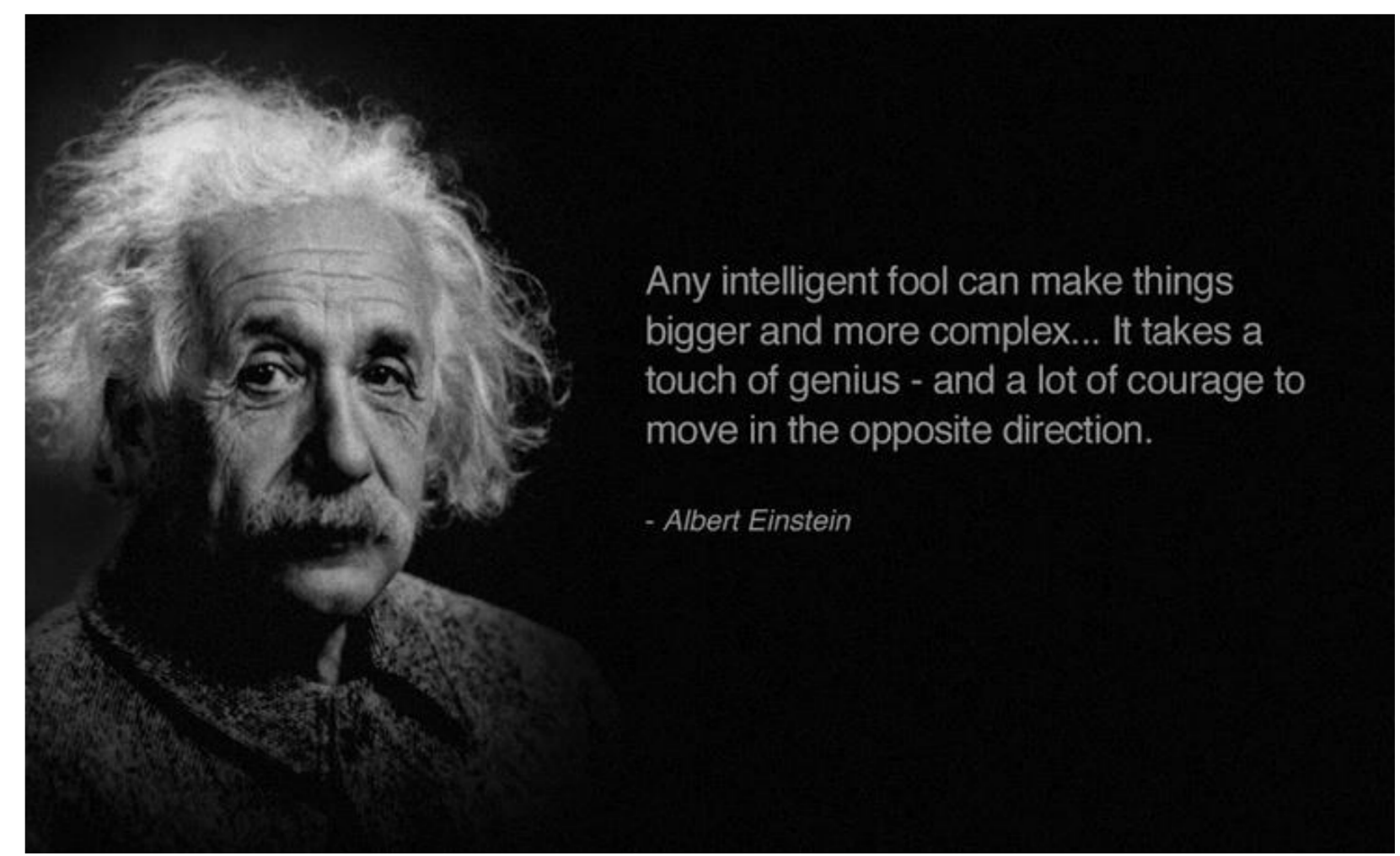2. Defined area/mission key parameters

FITL - 2

1. Merge area/mission similar area/mission solutions
2. Merge ECMWF clusters
3. Produce APG and FITL Forecasts
4. Present limited amount and familiar products to customer

Solution 1

Solution 2

Lesson Learned

Guide your customer:
1. don't confuse them, limit options;
2. use familiar products;
3. let them make the decisions.

RNLAF Joint Meteorological Group

Any intelligent fool can make things bigger and more complex... It takes a touch of genius - and a lot of courage to move in the opposite direction.

- Albert Einstein

It's better to be roughly right than precisely wrong!