



**OWS 27NOV18**



**CAP / N-CAP**

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MINISTÈRE  
DE LA TRANSITION  
ÉCOLOGIQUE  
ET SOLIDAIRE



DSNA



Direction générale de l'Aviation civile

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# CAP Collaborative Advanced Planning

Collaborative process and tool to balance the traffic demand and reduce the need for regulations in overloaded sectors

CAP started in May 2015

Now involves 7 FMPs (DSNA, DFS, ENAIRE) and more than 20 airlines

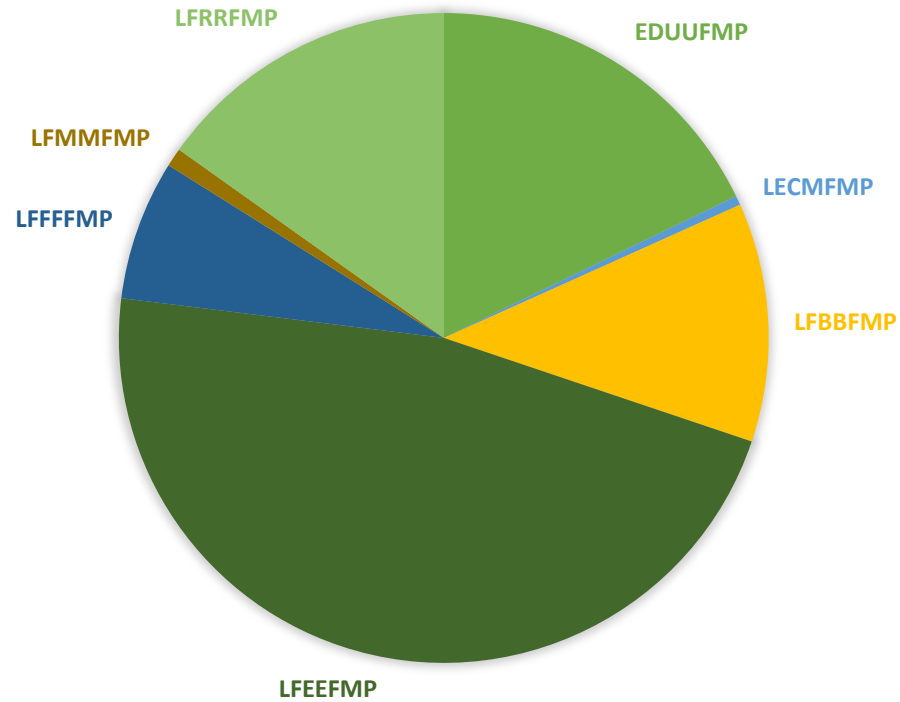
So far, around 6500 implemented FPL changes (8170 requests, 145 abandoned) >Acceptance rate : 80%





# CAP Collaborative Advanced Planning

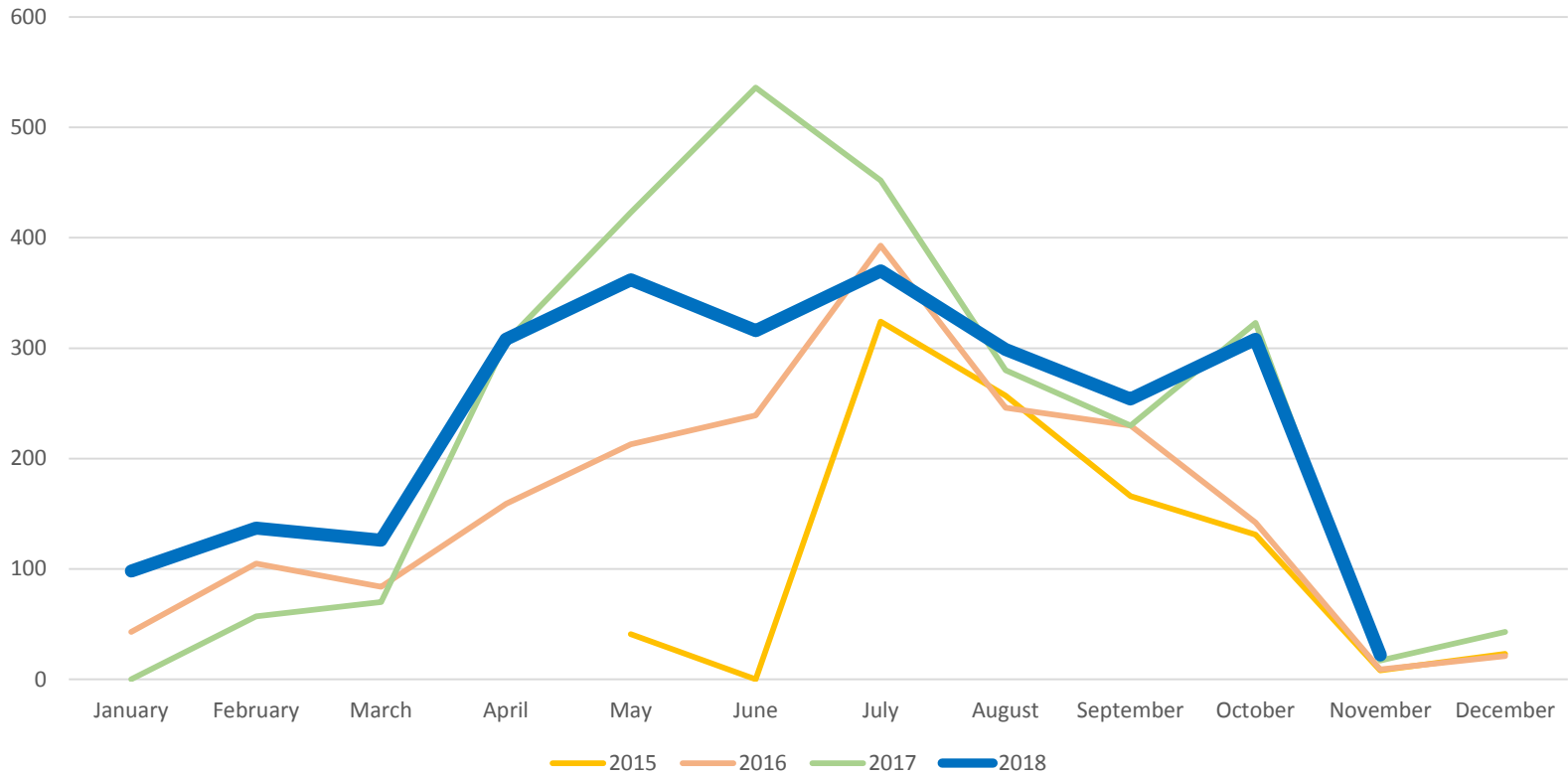
2018 - CAP USAGE BY FMP





# CAP Collaborative Advanced Planning

Number of requests



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# CAP Collaborative Advanced Planning

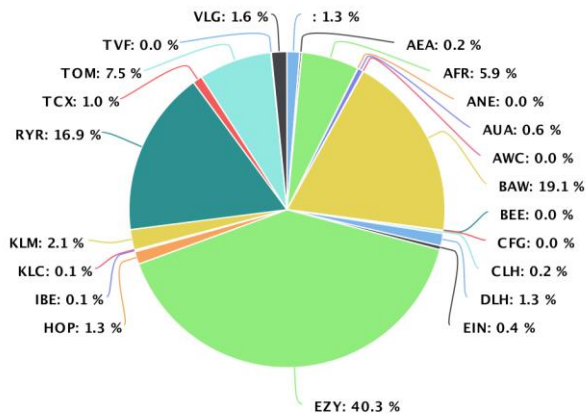
- The number of request depends on the « presence » of the flights/airlines in the traffic flows (which means also more flights of that airline benefit from the consequences = less regulated flights)
- The main concerned flows so far concern flights to the UK hence EZY/RYR/BAW being main contributors
- Some airlines just recently joined/will join the process (LH Group, Transavia). Together with DFS use of the tool, this will spread the demands on more airlines.
- Transparency : all airlines can access statistics reg. requests



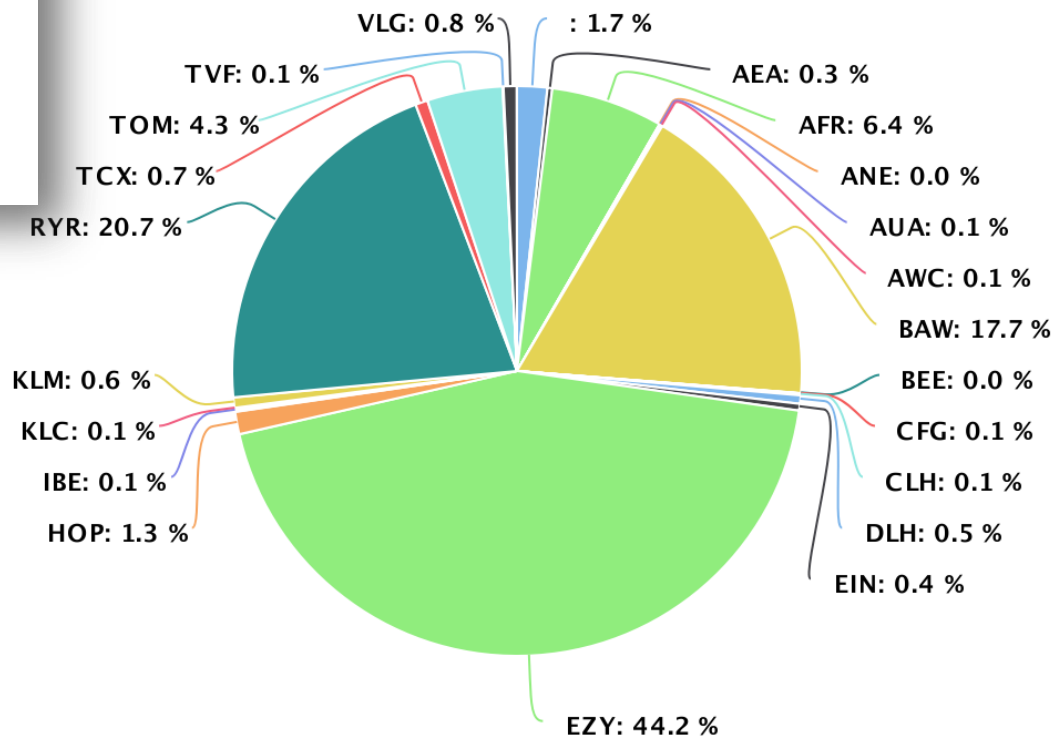


# CAP Collaborative Advanced Planning

CAP Requests by OPR / 2018



CAP Accepted by OPR / 2018





# Extending CAP ... N-CAP (Network-CAP)

- Work in the framework of SESAR PJ24 to extend to other ANSPs and add more involvement of NM.
- Paving the way to use NM B2B services to coordinate FPL updates using route proposals (RRP/RRN).
- Main benefits :
  - Remains not mandatory (collaborative...)
  - Better awareness of the network
  - What if & slot booking mechanisms, better view on the impact for FMPs and airlines, *you know what you'll get*
  - Future possibilities for coordinating amongst more stakeholders using the MCDM functionalities





# N-CAP

FLWA330	GROUND_LEVEL_CAP
FLAQ290	GROUND_LEVEL_CAP
FLWA290	GROUND_LEVEL_CAP
FL330	GROUND_LEVEL_CAP
FLAQ330	GROUND_LEVEL_CAP
FL290	GROUND_LEVEL_CAP
FLAQ310	GROUND_LEVEL_CAP
FLWA310	GROUND_LEVEL_CAP

Get Flight List  
List of flights concerned by measure FL330X

Show 10 entries

ENTRY	OPR	ARCID	ATYP	ADEP	ADES	EOBT
2018-11-20 13:52	TAP	TAP030L	A319	L5GG	LPPT	2018-11-20 12:45
2018-11-20 14:04	AEA	AEA1006	B738	LFRG	LEMG	2018-11-20 12:00
2018-11-20 14:06	DLH	DLH98N	A321	EDOF	LEMD	2018-11-20 12:15
2018-11-20 14:08	LGL	LGL973	B738	ELLX	GMMK	2018-11-20 12:35
2018-11-20 14:11	KLM	KLM45U	B737	EHAM	LEMD	2018-11-20 12:30
2018-11-20 14:12	TAP	TAP031N	A319	LSZH	LPPT	2018-11-20 12:30
2018-11-20 14:12	CAJ	CX8802	B738	EKOH	GMMK	2018-11-20 11:45
2018-11-20 14:15	GAJ	GAJ1272	LJ45	EDDK	LEJR	2018-11-20 12:30
2018-11-20 14:32	TAP	TAP1275	A21N	LOWW	LPPT	2018-11-20 12:15

```

7
810877
[message] => Sent to: LISOLTP @SITA
[issuer] => LISOLTP
[ifplid] => AT00810877
[etfmsId] => 852952
[type] => OUTGOING_MESSAGE

```

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UNGRTE N0394F300 TOP5I TOP P860 RONOP UP860 GIGUS/N0430F380 UP860
RUSIT/N0434F390 UY305 LERGA UN869 AGN UN995 PPN UN976 ZMR UL155 ADORO
DCT ELGIX ELGIXIT
-RRTEREF LIMCLPPRG1
-NEW RTE N0197F280 TOP5I TOP P860 RONOP/N0200F290 UP860 RUSIT UY305
LERGA UN869 AGN UN995 PPN UN976 ZMR UL155 ADORO DCT ELGIX ELGIXIT
-RESPBY 2110
-REASON OUTREG
-COMMENT PURPOSE IS STAM
-TAXITIME 0016

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- Already under developement
- Next steps:
  - Technical feasibility : winter 18/19
  - Pre-Ops trial : spring 2019
  - Ops : 2019 ?



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# Thank You !



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