



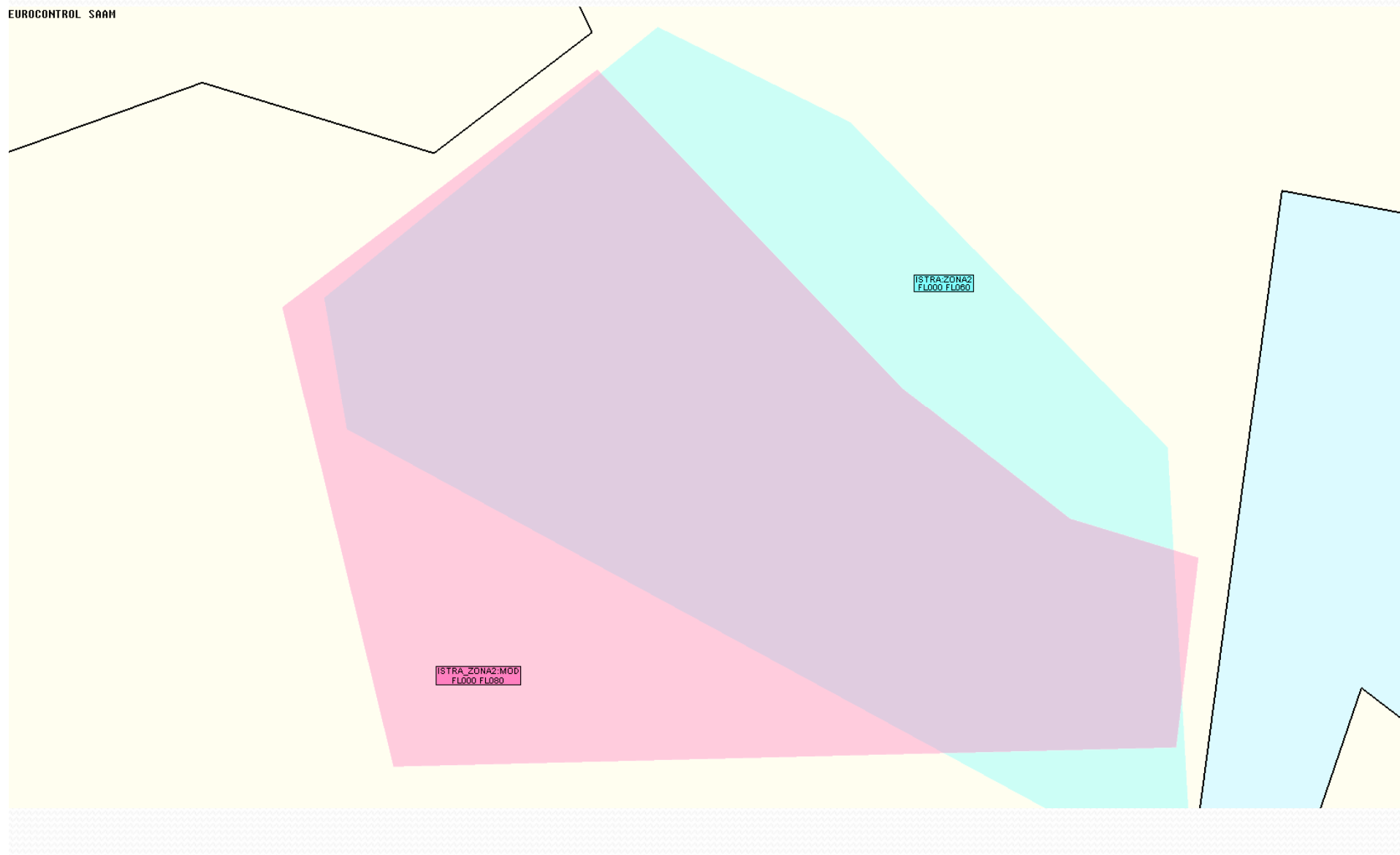
HRVATSKA KONTROLA
ZRAČNE PLOVIDBE

Analiza zahtjeva KSL Homo Volans - utjecaj na okoliš

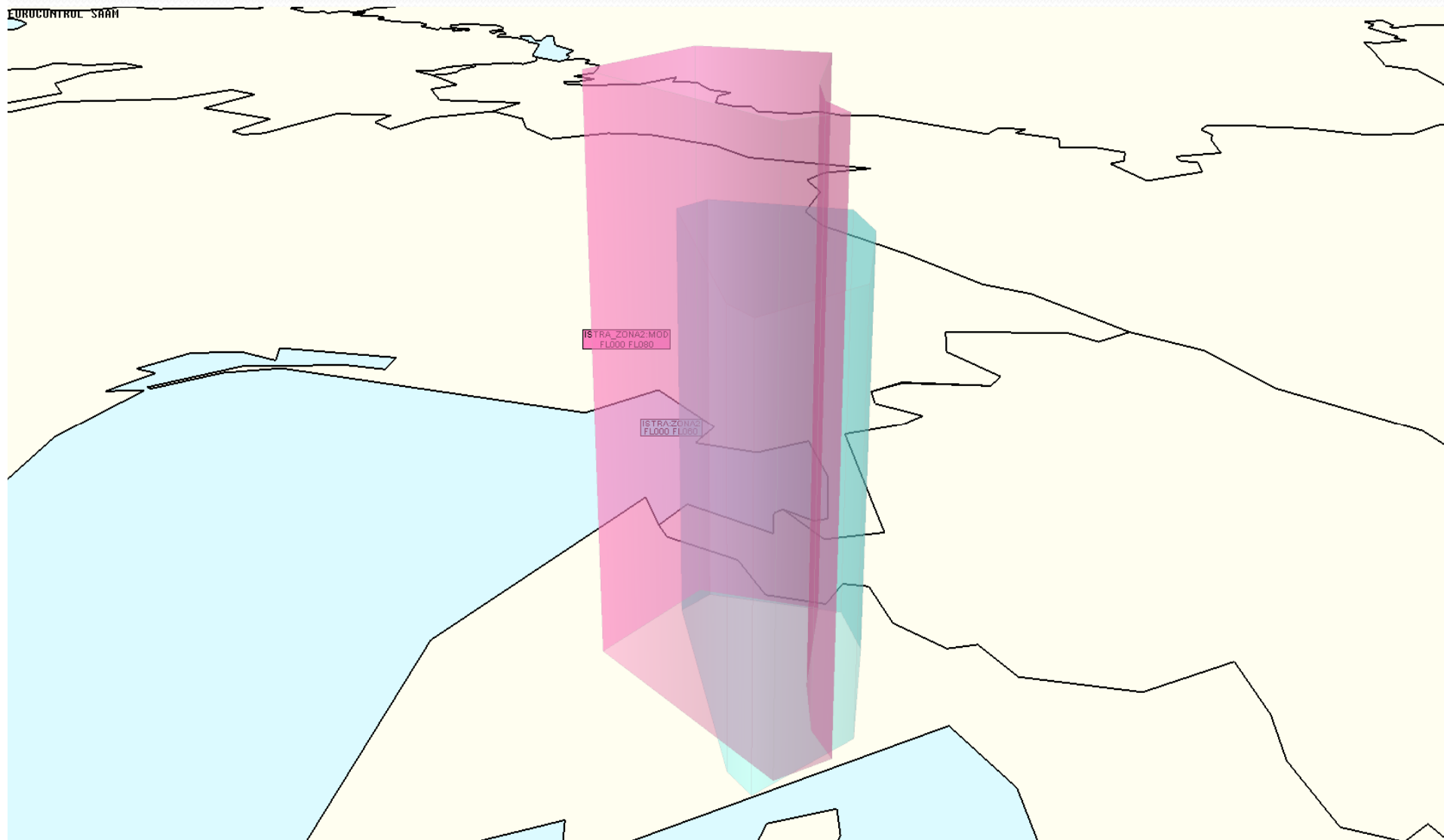
TONI ZLOPAŠA
V.S.S. ZA UTVRĐIVANJE UPUTA ZA UPORABU
AERODROMA

Usporedba ISTRA ZONA2 (AIP RH 5.5-4) i tražene zone od strane KSL Homo Volans

EUROCONTROL SAAM

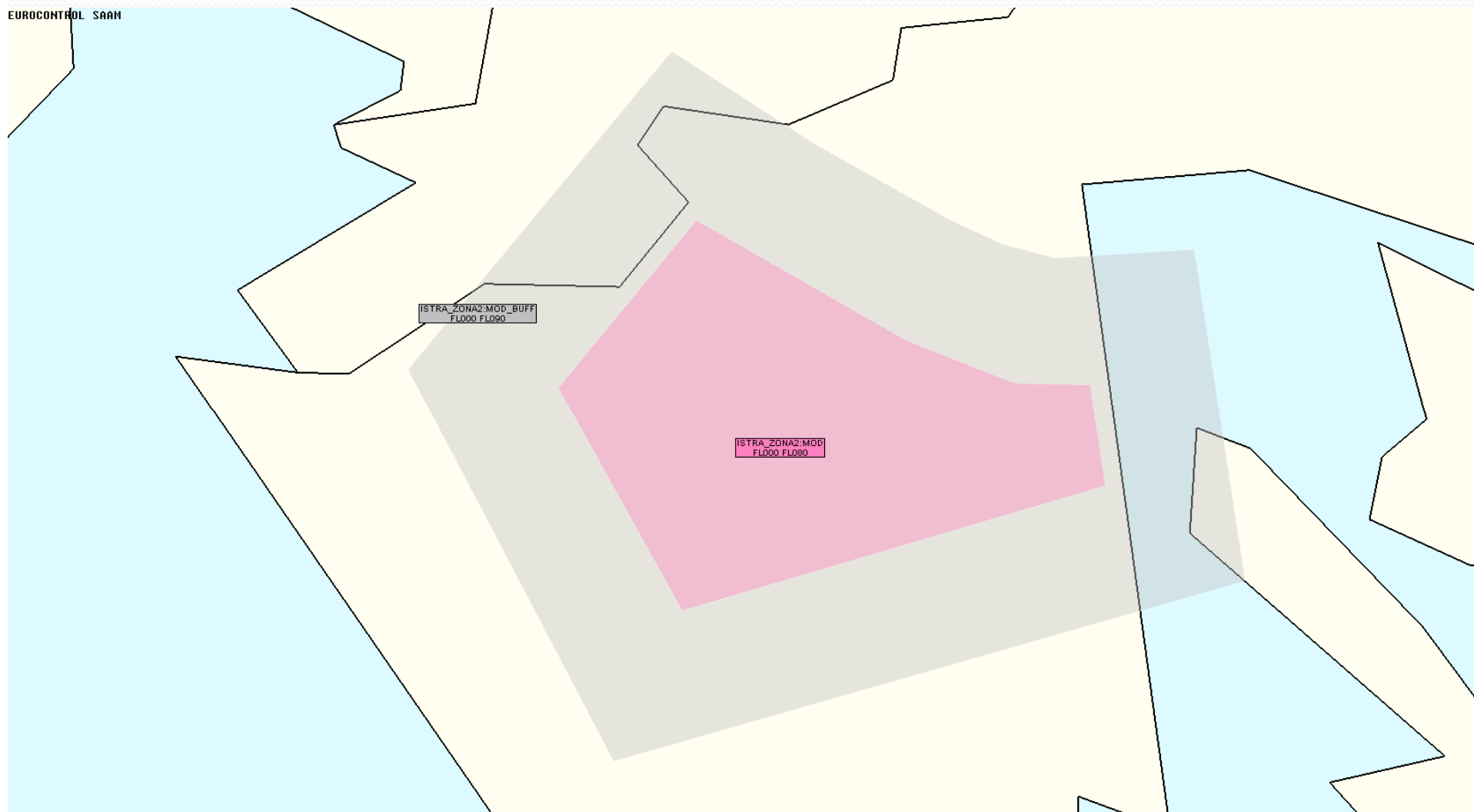


Usporedba ISTRA ZONA2 (AIP RH 5.5-4) i tražene zone od strane KSL Homo Volans – 3D prikaz



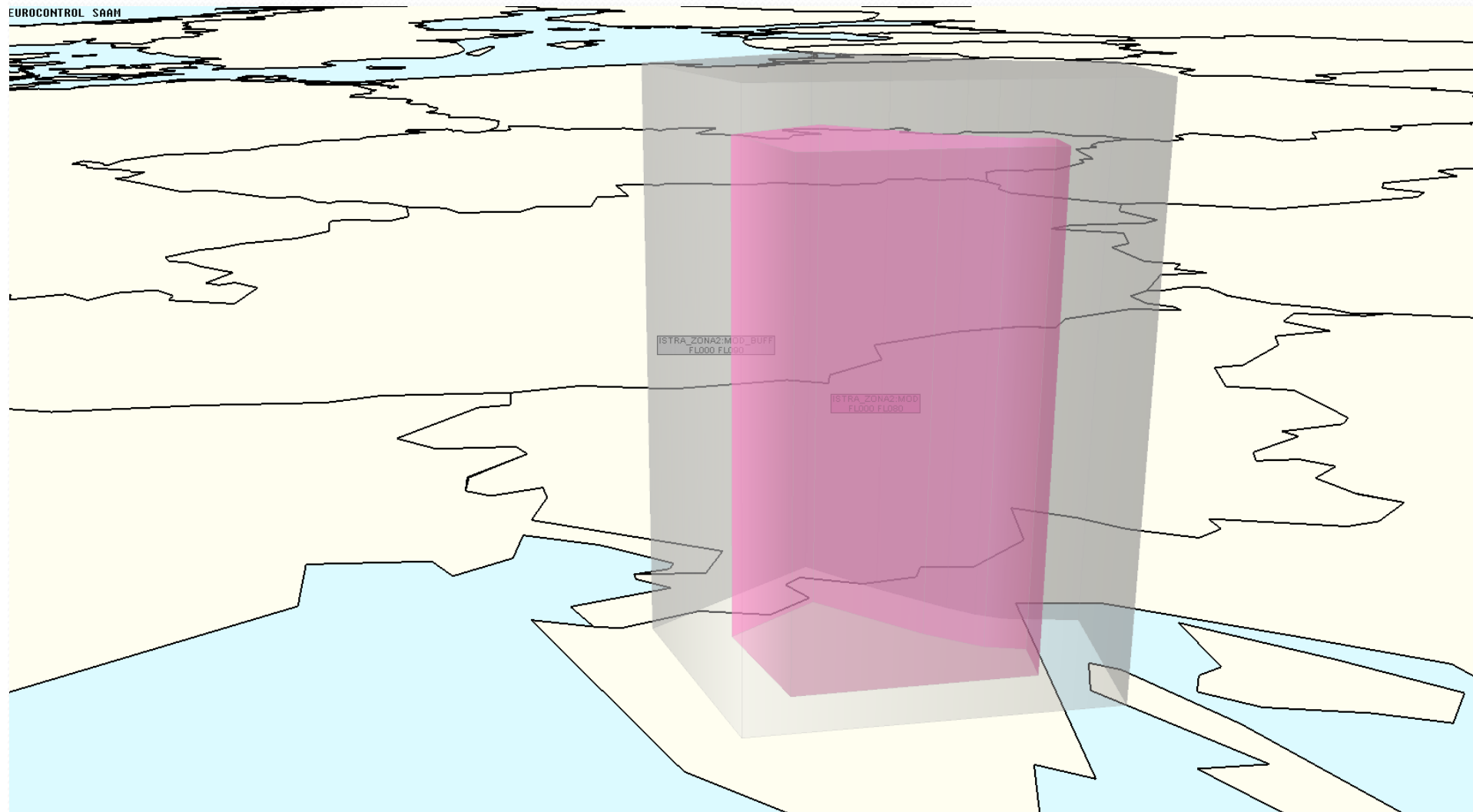
Prikaz tražene zone i proširene zone u smislu razdvajanja zrakoplova

EUROCONTROL SAAM



Prikaz tražene zone i proširene zone u smislu razdvajanja zrakoplova – 3D prikaz

EUROCONTROL SAHM



Analiza prometa (m3* i m1*)

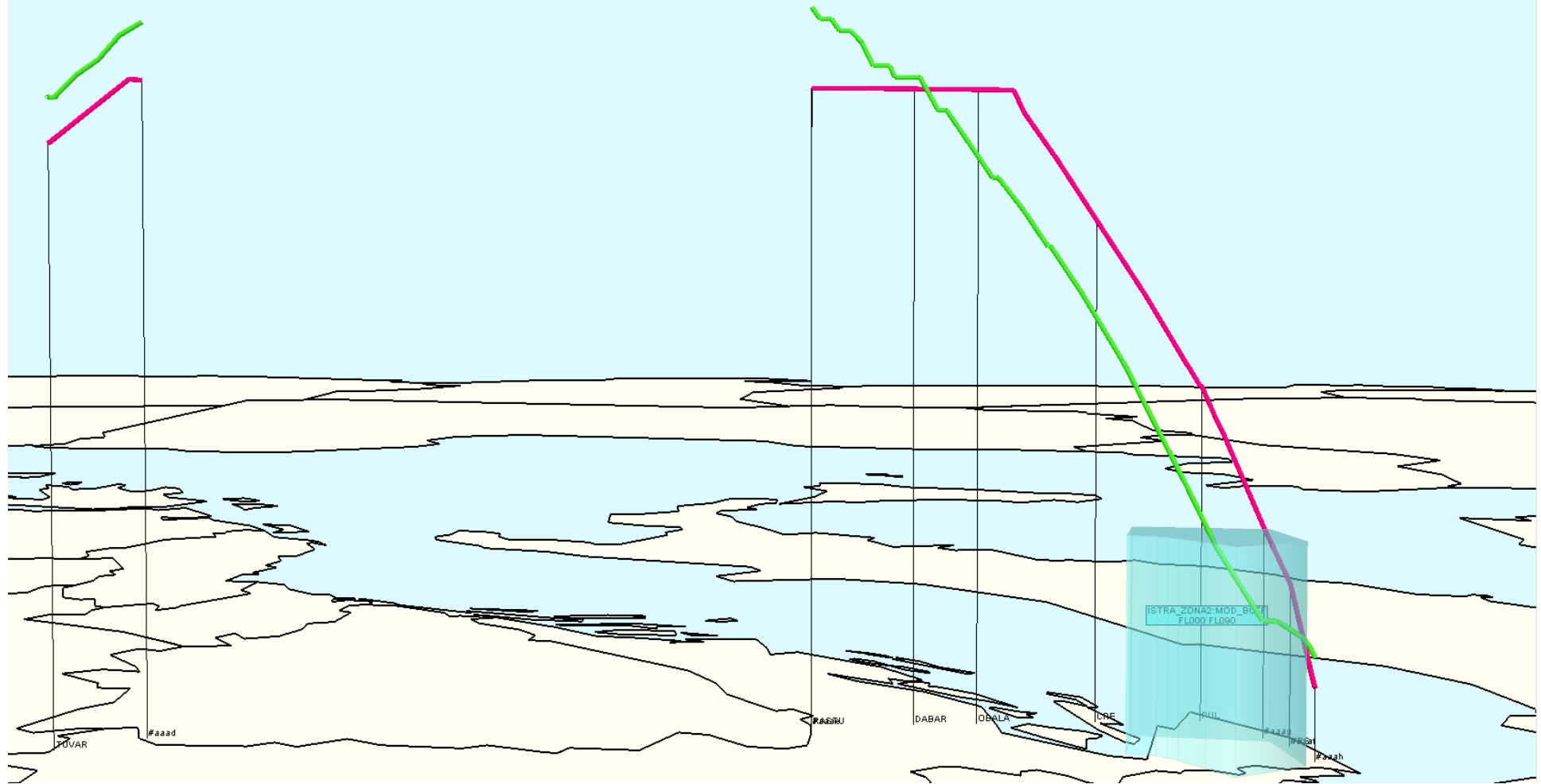
QIF_EXT							
Origin	Destin.	Aircraft	Callsign	First Date	First Time	Last Date	Last Time
LDRI	EGSS	B738	RYR1AN	14.7.2012	9:05:00	14.7.2012	11:05:44
LYBE	LJPZ	C525	YUMTU	14.7.2012	8:10:00	14.7.2012	9:14:57
LIMC	LDRI	LJ60	ISDAG	14.7.2012	12:45:00	14.7.2012	13:24:19
LZIB	LDPL	C560	EAT3851	14.7.2012	8:06:00	14.7.2012	8:57:27
EDDM	LDPL	DH8D	DLH1LE	14.7.2012	15:23:00	14.7.2012	16:15:11

* m3 - 4D trajektorija zrakoplova zadnjeg predanog plana leta ažurirana s radarskom slikom (ukupno 95 IFR GAT zrakoplova);

* m1 - 4D trajektorija zrakoplova zadnjeg predanog plana leta (ukupno 88 IFR GAT zrakoplova).

YU-MTU (LYBE-LJPZ)

EUROCONTROL SAHM

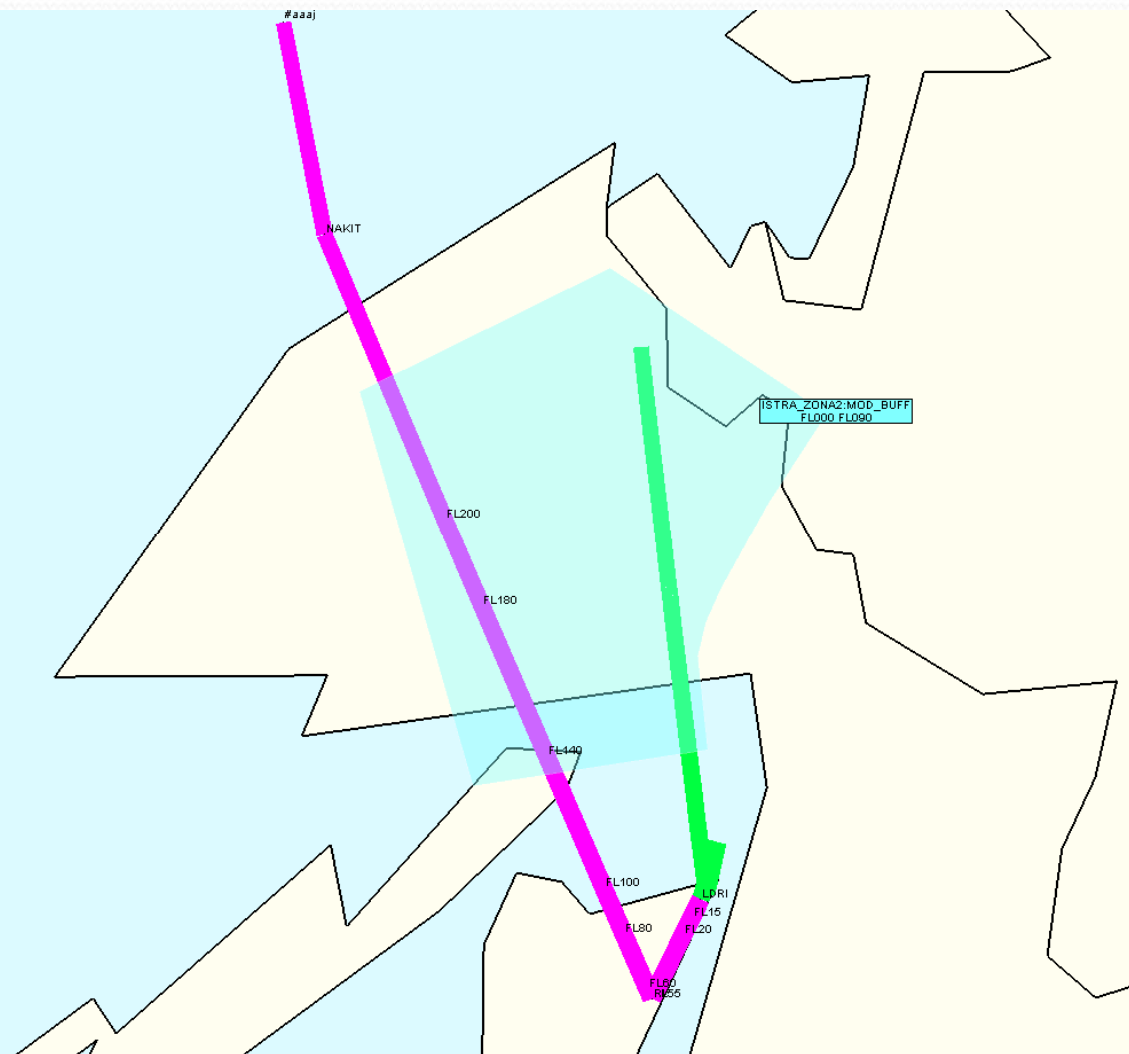


m3

m1

RYR1AN_1 (LDRI-EGSS)

EUROCONTROL SAHM

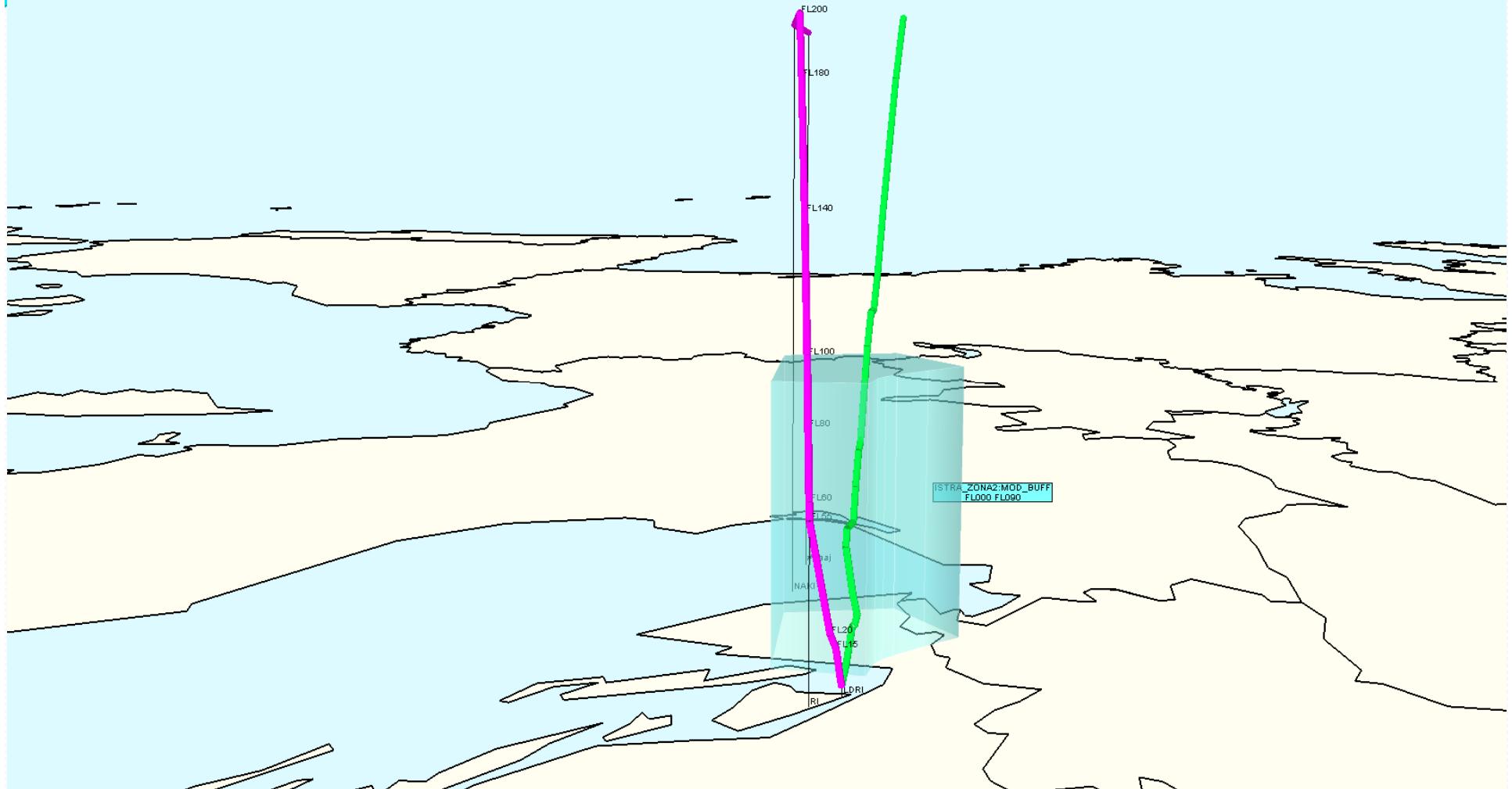


m3

m1

RYR1AN_2 (LDRI-EGSS)

EUROCONTROL SAAR

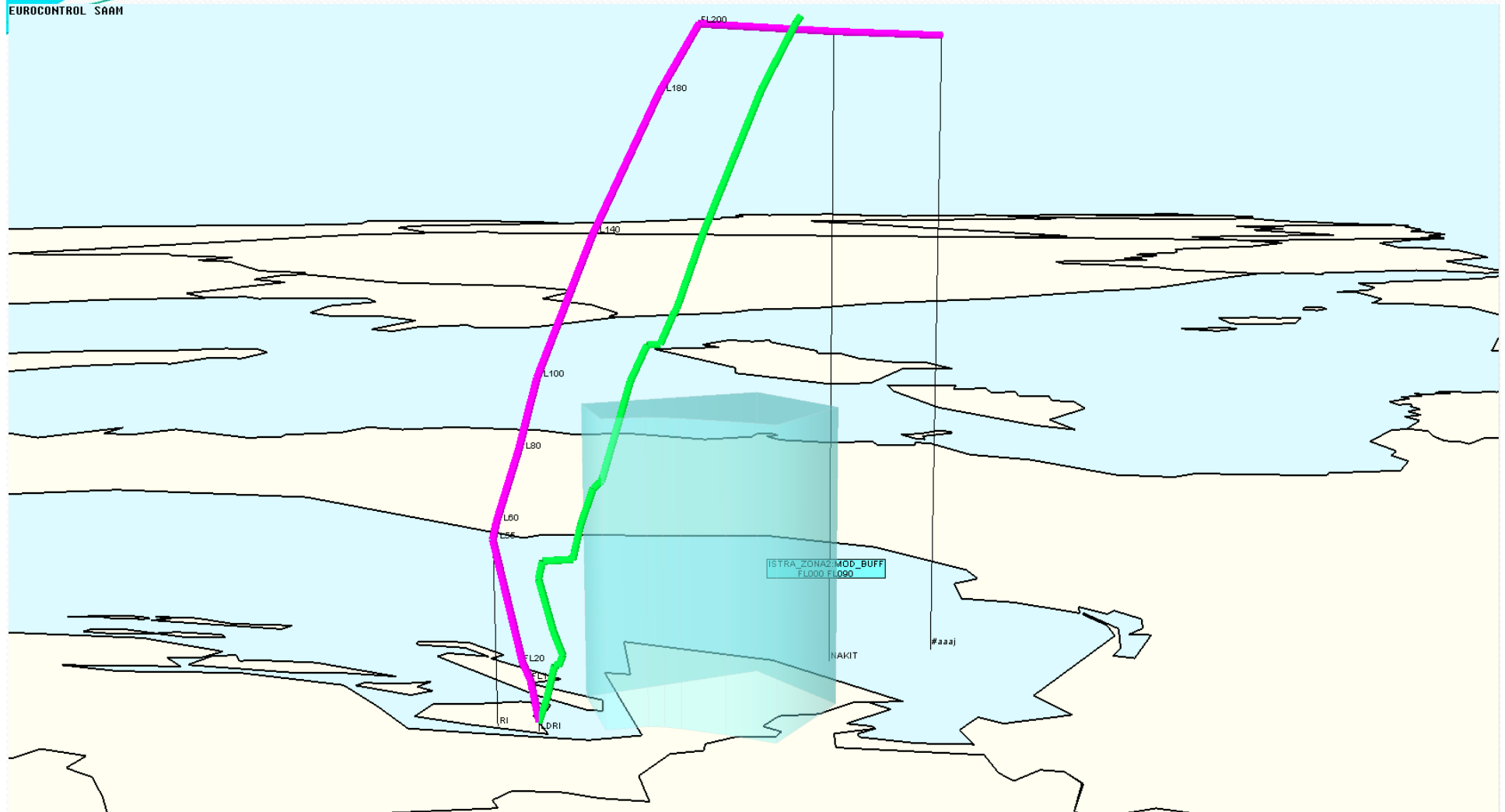


m3

m1

RYR1AN_3 (LDRI-EGSS)

EUROCONTROL SAAM

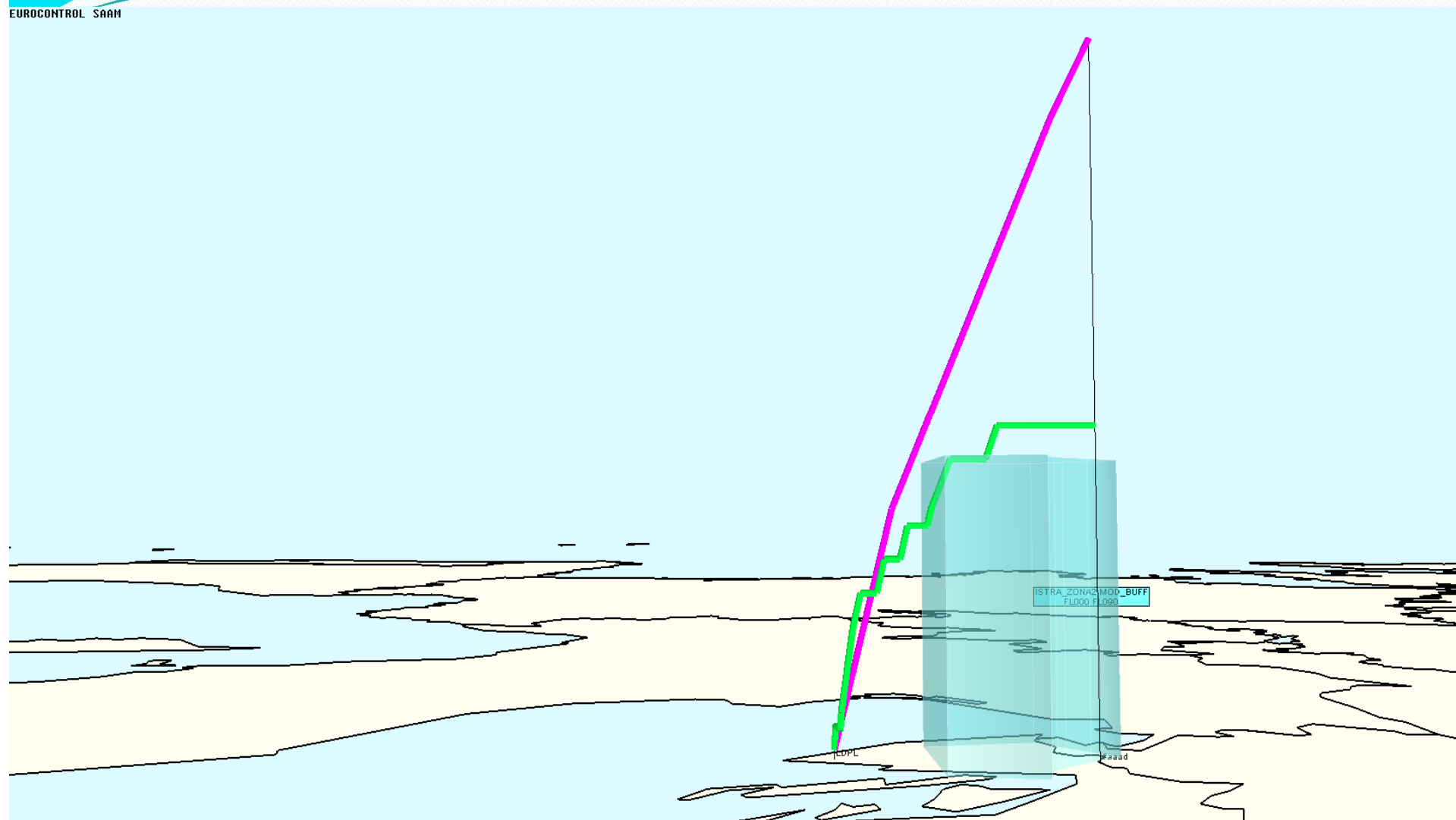


m3

m1

EAT3851 (LZIB-LDPL)

EUROCONTROL SAHM



m3

m1

Utjecaj tražene zone na okoliš*

EUROCONTROL - NEST Scenario Economy - three dimensional computing

21/10/2013 - 13:23:10

Directory: /cygdrive/c/saam_default_scenario

Reference C:/saam_default_scenario/20120714_m1S_FIRLDPLTMA+EXCZON+m1vsm3S_FIR_S_%00051_pie_so6

Scenario: C:/saam_default_scenario/20120714_m3S_FIRLDPLTMAISTRA_ZONA2S_FIR_S_%00051_pie_so6

No TMA exclusion! Results are based on difference between reference and scenario from origin to destination,

0 flights have been replaced with generic model B737 due to missing aircraft information,

Comparison thresholds:

Length: 0,01 NM

Time: 0,00165 min

Fuel: 0,055 kg

CO2: 0,1727 kg

NOx: 0,00044 kg

Flight info					Results					Reference					Scenario				
Flight ID	Origin	Destination	Acft Type	Callsign	Length (NM)	Time (min)	Fuel (kg)	CO2 (kg)	NOx (kg)	Length (NM)	Time (min)	Fuel (kg)	CO2 (kg)	NOx (kg)	Length (NM)	Time (min)	Fuel (kg)	CO2 (kg)	NOx (kg)
1,59E+08	EDDM	LDPL	DH8D	DLH1LE	-15,67	1,7	4,82	15,23	0,09	56,13	10,11	136,66	431,83	0,49	40,46	11,81	141,47	447,06	0,58
1,59E+08	LDRI	EGSS	B738	RYR1AN	-33,67	-5,31	-257,08	-812,36	-3,95	73,48	13,24	1029,63	3253,64	23,81	39,81	7,92	772,55	2441,28	19,86
1,59E+08	LIMC	LDRI	LJ60	ISDAG	-1,15	5,07	18,99	60,01	0,05	76,02	13,51	65,09	205,69	0,5	74,87	18,58	84,08	265,7	0,55
1,59E+08	LYBE	LJPZ	C525	YUMTU	-15,69	-3,06	-18,94	-59,85	-0,1	126,97	23,28	136,67	431,89	0,76	111,28	20,22	117,73	372,04	0,66
1,59E+08	LZIB	LDPL	C560	EAT3851	2,84	1,73	11,76	37,17	0,16	36,04	9,69	44,68	141,19	0,07	38,88	11,42	56,44	178,35	0,23
				TOTAL	-063	000	-240	-760	-004	369	070	1.413	4.464	026	305	070	1.172	3.704	022

Status	Length (NM)		Time (min)		Fuel (kg)		CO2 (kg)		NOx (kg)	
	Nb flights	Total	Nb flights	Total	Nb flights	Total	Nb flights	Total	Nb flights	Total
Increase	1	003	3	009	3	036	3	112	3	000
Equal	0	0	0	0	0	0	0	0	0	0
Decrease	4	-066	2	-008	2	-276	2	-872	2	-004
Total	5	-063	5	000	5	-240	5	-760	5	-004

Napomena: Ovaj proces odvija se pomoću pojednostavljenog modela čija je osnova AEM (Advanced Emission Model) model razvijen od strane EUROCONTROL-a.

Poveznica za AEM: <http://www.eurocontrol.int/services/advanced-emission-model>



Hvala Vam na pažnji!

Pitanja?

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