

INVALID ID IN IDEA



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International ID validation

- Goal of International ID validation by country of origin:

=> use the pedigree provided by the country of origin.

Principle:

- Country A can submit to IDEA an animal X from another country (country B) (LIM**BBB**F...)
- To be taken into account in Interbeef evaluation with country B origin, this animal has to be validated by country B.
 - > if country B validates animal X => use of pedigree from country B
 - > else => country A should change international ID of animal X (LIM**AAAF**...)



INVALID ID

However, specific old cases have been pointed out by Denmark in historical data:

- National French database loaded in 2000 with first dairy cattle and then with beef cattle

=> if a beef cattle animal with same id number than dairy cattle, 2 cases:

- renumbering of beef animal
- no inclusion in national database.

=> it concerns old animals.

To circumvent this problem, a patch has been added in Interbeef process:

The invalid animals are stopped **unless** they are linked with animals with proofs

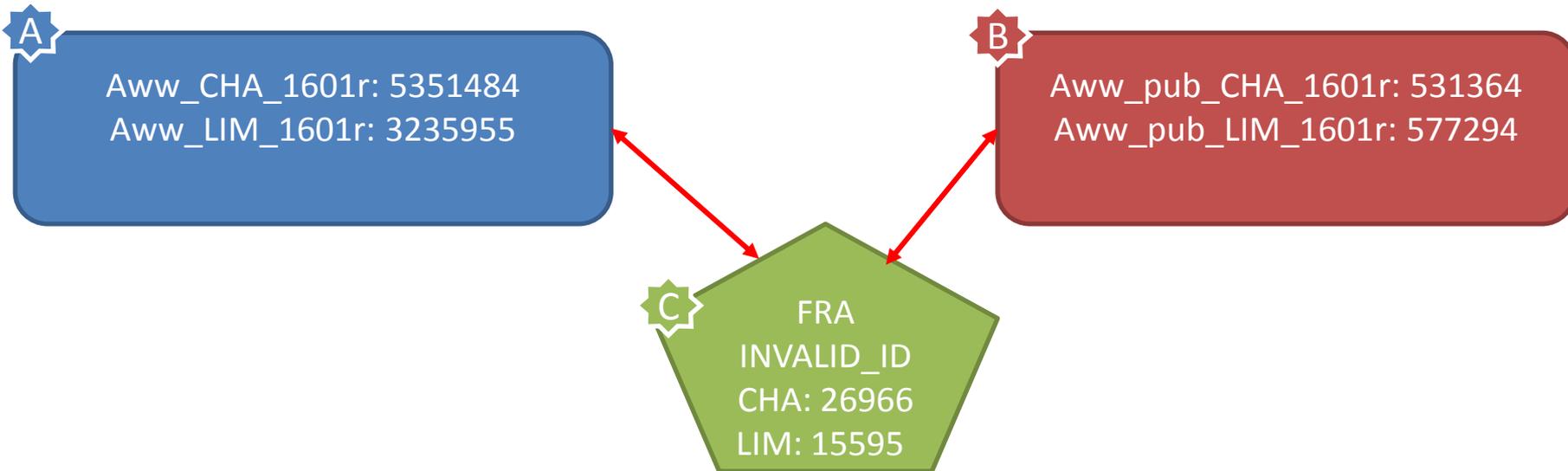
=> It leads to general inclusion of invalid animals in Interbeef evaluation.

=> IID validation becomes useless



INVALID ID

Comparison with result of January official run



	A x C	B x C	
LIM	3759	2668	=> 40 invalid bulls are official in all scales
CHA	6082	4926	=> 22 invalid bulls are official in all scales

INVALID ID

► Listing of 40 Invalid FRA LIM bulls official in all scales:

IID	Dnais	nbdesc	nbperf	ebv	rel	ebvmat	relmat	COUNTRY	nbdesc_perf	nbherd_perf	AN
LIMFRAM000000075507	19860324	68	0	3.5173	0.84183	5.2778	0.71118	dfs	56	29	1986
LIMFRAM00000000KL-M9	19770804	55	0	-5.5512	0.79956	6.6135	0.50775	gbr	40	7	1977
LIMFRAM000000BROH002	19920115	52	0	9.7909	0.70910	1.9486	0.46202	irl	33	2	1992
LIMFRAM000000BRVK013	19950902	36	0	2.2496	0.68802	8.8779	0.47560	irl	25	2	1995
LIMFRAM000000BSLF008	19900205	73	0	12.6180	0.78816	11.9700	0.59866	irl	55	2	1990
LIMFRAM000000BSLM004	19770403	56	1	0.0409	0.74975	-5.1743	0.65626	irl	29	1	1977
LIMFRAM000000MILH006	19920622	148	0	25.5370	0.88235	3.6765	0.70865	irl	106	4	1992
LIMFRAM000000MSYJ002	19940214	42	0	10.2910	0.70959	4.7059	0.51263	irl	32	2	1994
LIMFRAM000000PELG040	19911208	33	0	-7.7839	0.67838	4.0052	0.42352	irl	26	1	1991
LIMFRAM000000ADAS-254	20011002	35	0	9.2566	0.79135	-0.0135	0.34311	gbr	35	1	2001
LIMFRAM000000ADAS-255	20011019	51	0	0.7342	0.82941	2.0345	0.37447	gbr	51	2	2001
LIMFRAM000000BARM-010	19970521	61	0	-7.9698	0.82481	-1.5262	0.51911	gbr	55	1	1997
LIMFRAM000000BND5-019	20010228	37	0	20.9180	0.74271	-3.8857	0.36503	gbr	36	1	2001
LIMFRAM000000BYEU-238	20030407	72	0	15.3640	0.86158	5.7733	0.44146	gbr	72	1	2003
LIMFRAM000000GWH-005W	19870219	84	0	1.5973	0.83554	0.8429	0.55618	gbr	64	2	1987
LIMFRAM000000HONS-094	20010428	45	0	3.5044	0.74241	1.6040	0.08230	gbr	45	3	2001
LIMFRAM000000MEB-010T	19850222	256	0	6.8336	0.94477	-0.7492	0.77430	gbr	178	39	1985
LIMFRAM000000MEB-470Z	19900406	175	0	7.0544	0.88884	-2.5845	0.57398	gbr	123	3	1990
LIMFRAM000000MILR-230	20000210	60	0	20.2250	0.80362	-3.1142	0.40235	gbr	54	5	2000
LIMFRAM000000MILT-407	20021206	144	0	20.9680	0.91889	0.6688	0.56354	gbr	113	27	2002
LIMFRAM000000PELK-121	19950625	177	0	10.0920	0.90881	11.9740	0.67697	gbr	165	6	1995
LIMFRAM000000HZA325419	19950902	42	1	-4.7864	0.75512	1.2807	0.41409	irl	35	4	1995
LIMFRAM000000AB044F0T	19860503	192	0	1.9540	0.87535	0.7210	0.80130	irl	98	15	1986
LIMFRAM001970110116	19700129	59	0	-20.5250	0.81070	6.3916	0.49796	gbr	44	4	1970
LIMFRAM001970110215	19700212	178	0	-17.2440	0.87647	-4.5023	0.67723	gbr	69	24	1970
LIMFRAM002370125133	19700206	166	0	1.3319	0.88916	-3.8960	0.73249	gbr	77	12	1970
LIMFRAM002481515996	19810415	110	0	-21.4610	0.86356	-0.2928	0.40211	gbr	107	3	1981
LIMFRAM006078018020	19790000	451	0	-20.6330	0.94599	2.6917	0.83624	gbr	167	24	1979
LIMFRAM008770002588	19700310	34	0	-10.5820	0.68973	2.6183	0.31805	gbr	26	1	1970
LIMFRAM008783000421	19930110	108	0	6.1004	0.81204	16.5550	0.66734	irl	38	15	1993
LIMFRAM000CPM-100940	19960120	114	0	8.8377	0.87629	0.2207	0.39147	gbr	88	9	1996
LIMFRAM000CPM-116653	19980102	64	0	23.0390	0.84278	7.4309	0.38036	gbr	58	3	1998
LIMFRAM000CPM-119342	19980129	36	0	8.3943	0.74781	-1.3572	0.06966	gbr	36	3	1998
LIMFRAM000CPM-125819	19990426	45	0	21.8620	0.76961	-6.3070	0.32733	gbr	36	5	1999
LIMFRAM000CPM-138389	20000716	141	0	21.5820	0.86939	-0.9798	0.42935	gbr	138	2	2000
LIMFRAM000DMEI011F0T	19931210	45	0	16.4810	0.66579	2.0926	0.47970	irl	30	1	1993
LIMFRAM000MILE004F0T	19890618	34	0	19.8910	0.67568	2.2601	0.50680	irl	29	1	1989

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► Listing of 22 Invalid FRA CHA bulls official in all scales:

IID	Dnais	nbdesc	nbperf	ebv	rel	ebvmat	relmat	COUNTRY	nbdesc_perf	nbherd_perf	AN
CHAFRAM0000000BJRM5	19760710	38	0	-26.3290	0.66984	-1.5101	0.39265	irl	25	2	1976
CHAFRAM0000000FLHV5	19840407	49	0	35.1000	0.68041	-0.3557	0.60766	irl	27	2	1984
CHAFRAM0000000GABH3	19921207	39	0	6.5221	0.67481	3.1718	0.52520	irl	33	1	1992
CHAFRAM0000000GJDM9	19960309	27	1	25.3870	0.76144	0.9538	0.32554	irl	26	1	1996
CHAFRAM0000000GSJI1	19930107	48	0	4.4227	0.69446	3.0297	0.46070	irl	33	2	1993
CHAFRAM0000000GSJM9	19960701	44	0	-1.2427	0.72926	8.6039	0.27506	irl	41	1	1996
CHAFRAM000000249072	19920308	122	0	-0.5444	0.89853	12.9430	0.85566	cze	108	4	1992
CHAFRAM000000250072	19960115	193	0	14.7290	0.92013	-8.5593	0.82995	cze	118	25	1996
CHAFRAM000000AGE001	19700528	106	0	-18.5170	0.83888	3.1616	0.67180	irl	58	7	1970
CHAFRAM000000AGP021	19790603	68	1	-27.6910	0.76471	-2.3430	0.60046	irl	37	2	1979
CHAFRAM000000AGU029	19830613	39	0	-8.6075	0.68717	2.9178	0.49938	irl	29	2	1983
CHAFRAM000000AHNA18	19850204	57	0	7.2991	0.66478	-5.9826	0.47895	irl	38	1	1985
CHAFRAM000000DRWC30	19870825	46	0	-15.8580	0.71194	2.1114	0.31801	irl	39	1	1987
CHAFRAM000000PSL018	19950411	48	0	20.2160	0.77622	7.3916	0.43870	irl	38	1	1995
CHAFRAM000000RMD021	19880424	31	1	-2.0586	0.72515	9.4371	0.46708	irl	26	4	1988
CHAFRAM000000S0C007	19870615	48	0	-1.2357	0.63372	2.5583	0.39220	irl	40	1	1987
CHAFRAM000000VCM004	19960223	40	0	-9.8457	0.67126	2.3197	0.40167	irl	31	1	1996
CHAFRAM000002610417	19930222	69	0	5.0424	0.85192	-3.7056	0.71920	cze	57	2	1993
CHAFRAM000033930583	19940117	138	0	5.9586	0.89179	5.2560	0.85494	cze	120	1	1994
CHAFRAM000039708304	19970102	31	0	2.6740	0.65612	4.0189	0.44263	dfs	28	16	1997
CHAFRAM00030179A002	19660000	496	0	-19.5500	0.91877	-0.1985	0.88481	irl	105	50	1966
CHAFRAM007190110326	19900314	72	0	0.6586	0.85286	0.0998	0.76889	cze	70	1	1990

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Number of FRA INVALID publishable bulls in at least one scale:

LIM

COUNTRY	Fréquence	Pourcentage	Fréquence cumulée	Pctage cumulé
che	40	1.34	40	1.34
cze	95	3.18	135	4.52
deu	44	1.47	179	5.99
dfs	63	2.11	242	8.10
esp	40	1.34	282	9.44
fra	40	1.34	322	10.78
gbr	798	26.71	1120	37.48
irl	1868	62.52	2988	100.00

CHA

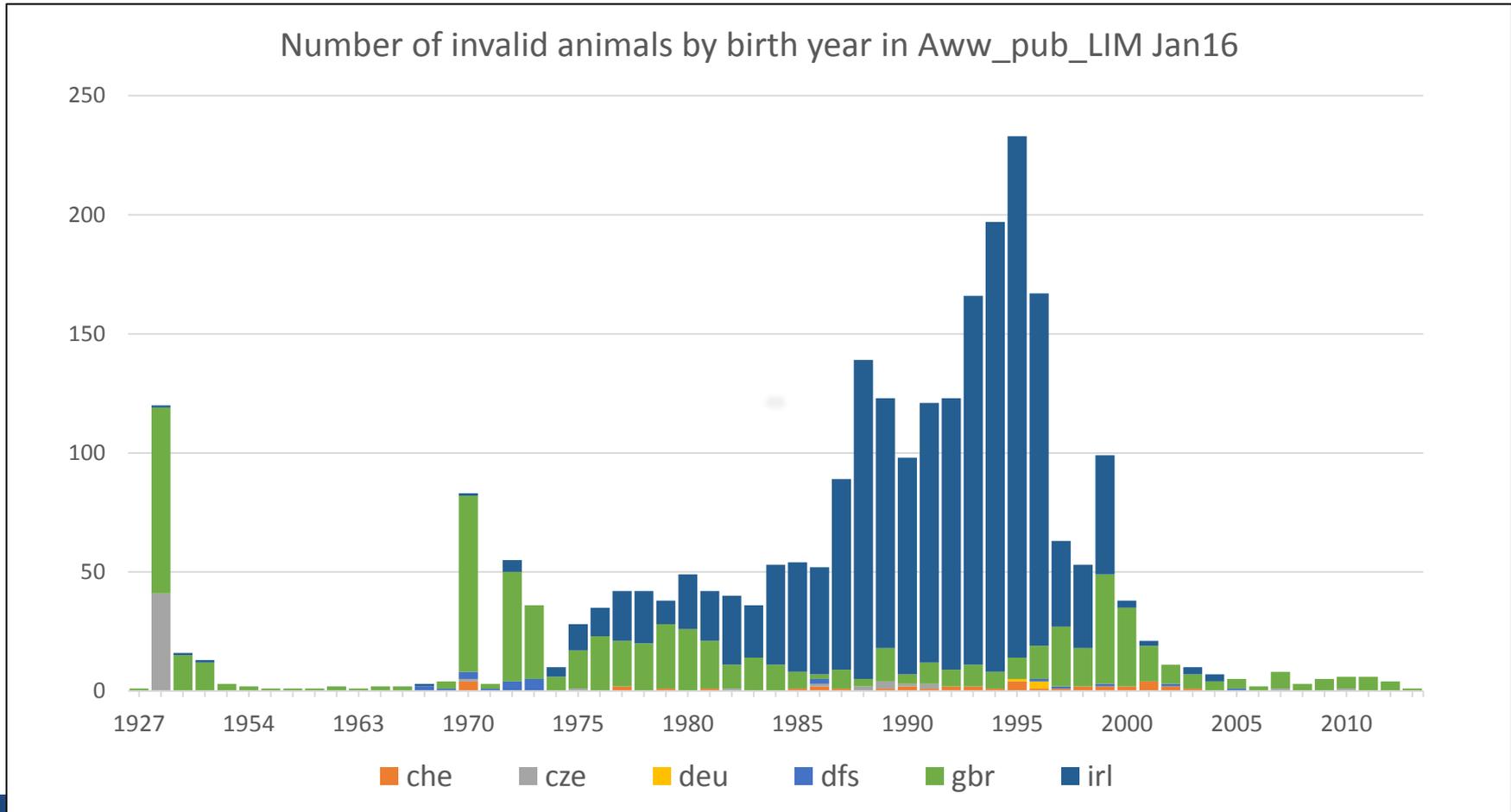
COUNTRY	Fréquence	Pourcentage	Fréquence cumulée	Pctage cumulé
che	22	0.44	22	0.44
cze	1064	21.13	1086	21.56
deu	24	0.48	1110	22.04
dfs	29	0.58	1139	22.62
fra	22	0.44	1161	23.05
irl	3875	76.95	5036	100.00

Examples:

- LIMFRAM00CPM-138389, born in 2000, is official in all scale but invalidated by France in 2014
=> Pedigree and progenies are GBR animals and not compatible with French national ID.
- CHAFRAM000002610417, born in 1993, is official in all scale but invalidated by France in 2014.

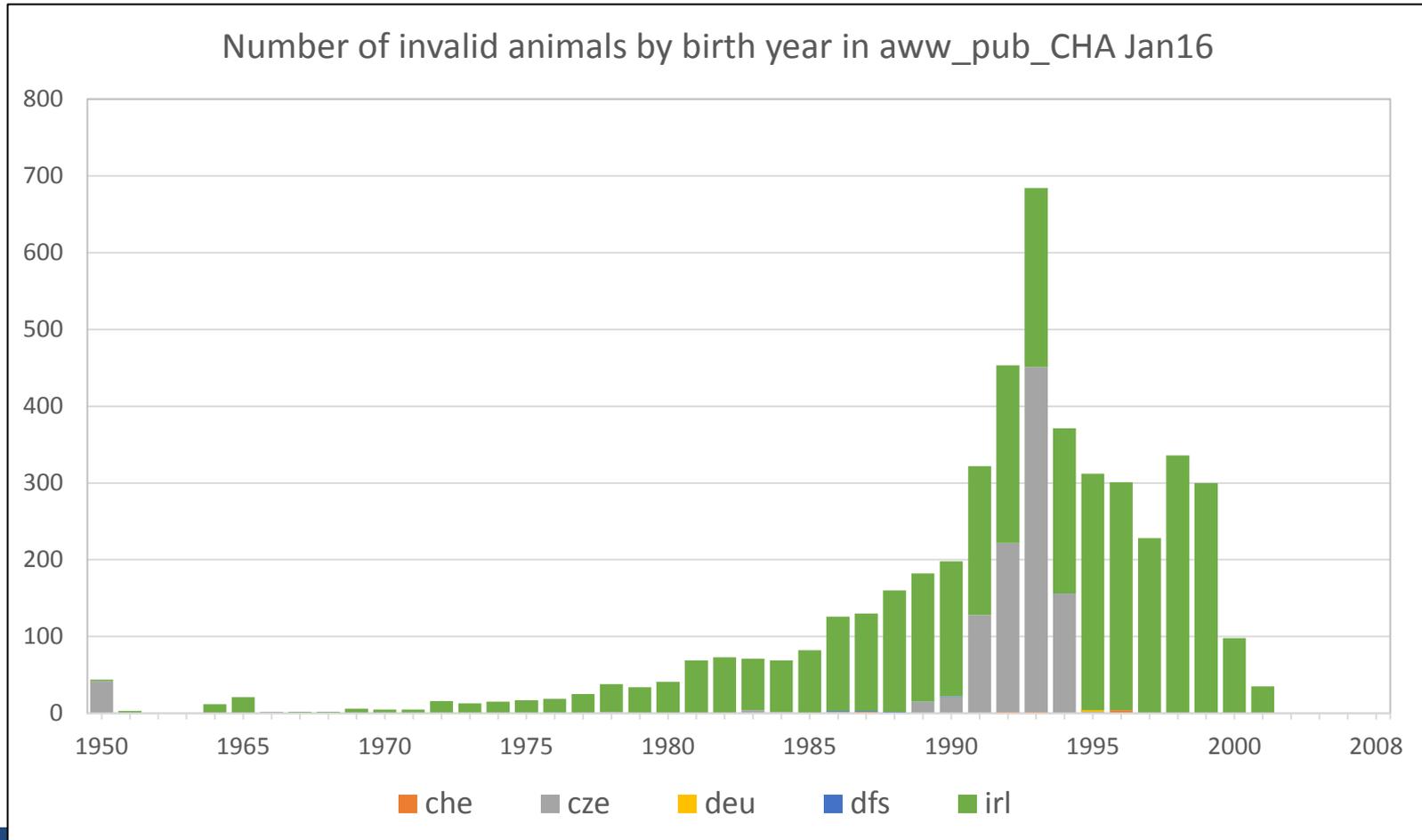
Interbeef results

► Number of publishable invalid animals:



Interbeef results

► Number of publishable invalid animals:



Proposition

- ▶ Goal: Get ride of the invalid patch in interbeef programs to make pedigree validation useful
- ▶ French animals born after 2000 should be valid
 - => if invalid, correction to be done by countries providing incorrect FRA id.
 - => need to receive invalid information from Interbeef ? which way?
- ▶ For invalid animals born before 2000:
 - => Include these animals in Interbeef evaluation, but they won't be publishable (not available in aww_pub file) .
 - => for the 62 invalid publishable bulls in last release, correction are needed by countries providing this information.
- ▶ Situation for the other countries?

