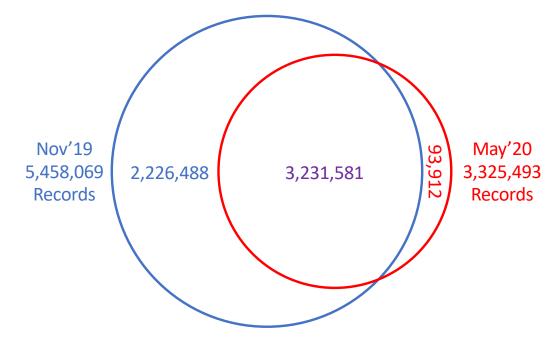
#### Overview

- Bulk download of entire PermID open dataset
  - 11-24-2019 and 05-03-2020
- Weekly updates
  - 05-10-2020 & 05-17-2020
- Data comparison
  - Between the 2 bulk downloads
  - 05-03-2020 vs. 05-10-2020
  - 05-10-2020 vs. 05-17-2020

## Nov'19-May'20 Comparison

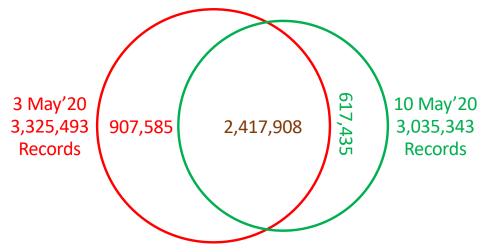
- Bulk download comparison
  - 41% of records (PermIDs) in Nov'19 were deprecated in May'20
  - Decrease of 39% in number of records (PermIDs) between Nov'19 and Nov'20
  - 3% of May'20 are new records (PermIDs), not seen in Nov'19
  - All fields experience changes, ~1.2M changes in the 3,231,581 records that are common in Nov'19 and May'20
    - Driven mostly by changes to LEI



Changes for Records in Both Nov'19 & May'20							
status	6,003						
domiciled	1,154						
organization_name	8,067						
headquarters_address	45,521						
headquarters_phone	6,649						
incorporated	3,081						
url	10,936						
headquarters_fax	3,196						
registered_address	56,251						
registered_phone	7,091 15,868						
primary_business_sector							
primary_economic_sector	15,362						
primary_industry_group	16,162						
latest_organization_founded_date	14,277						
inactive_date	5,437						
organization_primary_quote	2,322						
primary_instrument	357						
registered_fax	6,070						
lei	897,901						
ipo_date	28,368						
holding_classification	24,594						
Total	1.174.667						

## 3 May'20 – 10 May'20

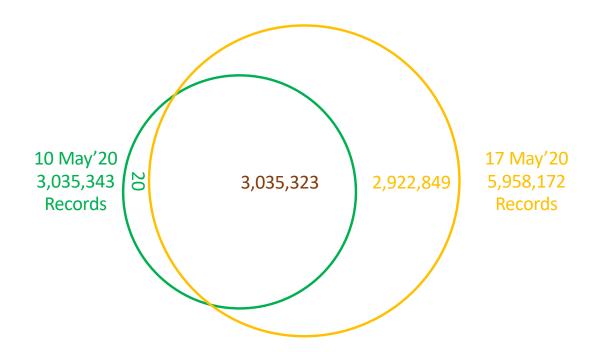
- Weekly update comparison
  - 28% of records (PermIDs) on 3 May were deprecated on 10 May
  - Decrease of 9% in number of records (PermIDs) between 3 May and 10 May
  - 20% of 10 May are new records (PermIDs), not seen on 3 May
    - A small number of "new" records are ones that had disappeared between 24 Nov and 3 May
    - Some "new" records are same-name-different-PermID Change in PermID seems to be related to duplicate PermIDs in older data
  - All fields experience changes, ~1.3M changes in the 2,417,908 records that are common in 3 May and 10 May
    - Driven mostly by changes in headquarters\_address, registered\_address, and LEI



Changes for Records in Both 5 N	lay & 12 May
status	294
domiciled	273
organization_name	559
headquarters_address	501,335
headquarters_phone	3,994
incorporated	1,732
url	1,536
headquarters_fax	2,185
registered_address	334,508
registered_phone	2,633
primary_business_sector	12,428
primary_economic_sector	12,355
primary_industry_group	12,449
latest_organization_founded_date	2,171
inactive_date	668
organization_primary_quote	1,405
primary_instrument	35
registered_fax	1,975
lei	334,508
ipo_date	27,285
holding_classification	23,552
Total	1,277,880

# 10 May'20 – 17 May'20

- Weekly update comparison
  - 0% of records (PermIDs) on 10 May were deprecated on 17 May
  - Increase of 96% in number of records (PermIDs) between 10 May and 17 May



#### Summary

- Very volatile updates
  - Large changes in the number of records
    - Only 2,324,718 organizations in all 4 files
  - Large number of changes in fields
    - Driven by large number of changes in a few fields (e.g. lei)
- Recommend consultation with PermID technical staff to understand this volatility

		In B, not A	In A, not B	In A and B	Total B	Total A	В	А
Closest in number of records in A and B  Difference of more that 2M records	93,912	2,226,488	3,231,581	3,325,493	5,458,069	5/3/2020	11/24/2019	
		617,435	907,585	2,417,908	3,035,343	3,325,493	5/10/2020	5/3/2020
		2,922,849	20	3,035,323	5,958,172	3,035,343	5/17/2020	5/10/2020
		181,165	2,603,891	2,854,178	3,035,343	5,458,069	5/10/2020	11/24/2019
		500,495	392	5,457,677	5,958,172	5,458,069	5/17/2020	11/24/2019
		2,632,716	37	3,325,456	5,958,172	3,325,493	5/17/2020	5/3/2020

more than