



United Nations

Department of
Economic and
Social Affairs

NIA NATIONAL INFORMATION
SOCIETY AGENCY

INTERNATIONAL CONFERENCE ON DATA AND DIGITAL GOVERNANCE 2024

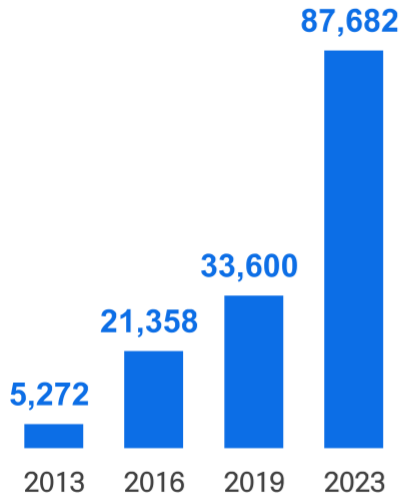
Open Government Data Policy of Korea

19 – 22 October 2024
Shanghai and Deqing

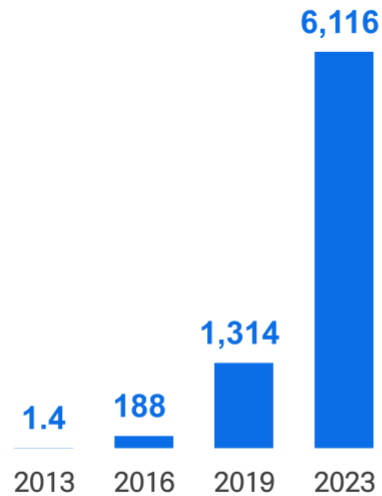
Dongyub Baek
Principal Manager
National Information Society Agency (NIA)
Republic of Korea

01 Achievements of Open Data, Korea

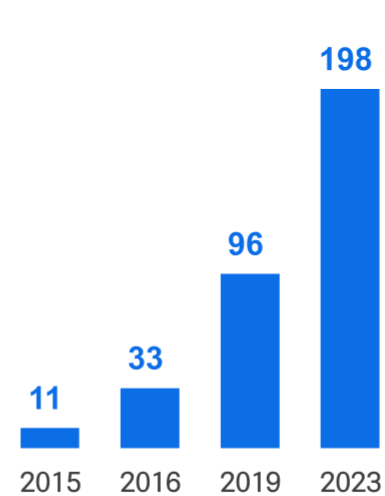
87,682 Datasets
on portal



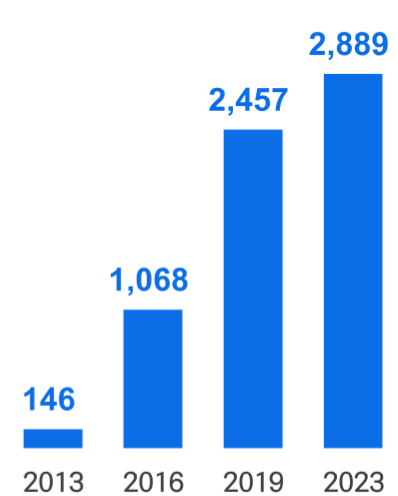
Data Re-use(Open API)
61million



198 National Core
Datasets



2,889 Apps
developed by private



OECD OURdata INDEX **Rank #1** ('15, '17, '19, '23)



02 Governance Framework of Korea



- **ODSC (deliberating body under the prime minister and co-chaired by private representatives)**

- Deliberate, coordinate, monitor and evaluate government's major open government data policies, plans and their implementation
- Include each ministers and more than half of private representatives



- **MOIS (leading ministry):** Open gov't data master planning & evaluate implementation, create a data infrastructure, release datasets, etc.



- **NIA (main institution in charge of OGD to support design and implementation of policy/strategies):** The open data center within NIA to support an OGD release and reuse of all governments and institutions



- **ODMC (mediation of disputes):** mediate disputes for release of open gov't data refused or suspended by public institutions

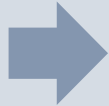
03 Legal Framework of Korea

**Information Disclosure Law
(1998)**

Government transparency,
people's right to know

DISCLOURE on Request

For People



**Open Government Data Law
(2013)**

Improve quality of people's
lives and economic
development

OPEN by Default

For People and Business



**Data-driven
Administration Law
(2020)**

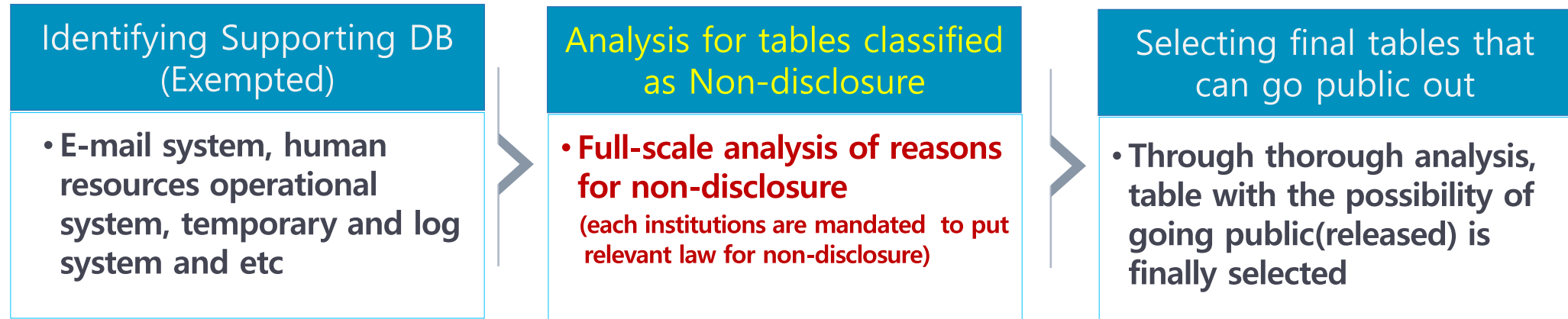
Better-informed decisions
across public sector

SHARE by Default

Within Public sector
(For People and Business)

O4 Releasing Data by 'OPEN BY DEFAULT'

“There are number of datasets(308,485) in DB of all 585 ministries, local government, public institutions, **WHY THEY CAN'T GO PUBLIC ?** ”



Types	No. of Org	Pre-released	No. of Exemption	No. of Non-disclosure	No. of Non-disclosure that can go public
Central Gov	39	6,028	5,166	59,734	25,841
Affiliated Inst	118	666	2,508	21,876	7,549
Local Gov(Dis)	16	1,034	6,935	36,731	18,746
Local Gov	192	952	13,784	20,551	12,965
Public Inst	186	5,402	27,344	167,097	92,093
Public Local Inst	34	39	1,001	2,496	693
Total	585	14,121	56,738	308,485	157,887

O4 Releasing Data by 'OPEN BY DEFAULT' : Analysis of non-disclosure

Check for all data classified as non-disclosure

- ▶ If reason for non-disclosure is empty, data should go public
- ▶ Review the possibility of releasing by comparing actual table column with the reasons for non-disclosure in the meta-information of each table

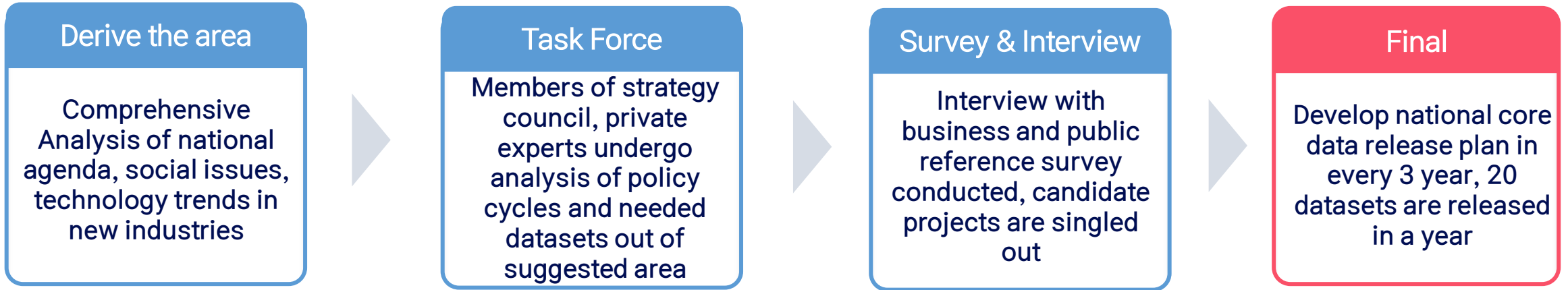
System	Name of table	Name of Column	Status	Reason for non-disclosure
Education Management System	Teaching hours	Educational classification, date, hours, personnel	Non-disclosure	-
Education Management System	Print out history of certificate	Education classification, output data and time, sequence number	Non-disclosure	With system information, risk of hacking exists

EMPTY

Reason is not valid

05 National Core Data Project

Data with Nation's priority, high demand from private sector



Analysis of global report and frequency of keywords on issues

① 주제영역 후보 키워드

정책 분석	사회	경제	문화	환경	안전	보건	교육	노동	외교	국방
국정과제	미래	기술	산업	환경	안전	보건	교육	노동	외교	국방
중장기	미래	기술	산업	환경	안전	보건	교육	노동	외교	국방
정책 분석	사회	경제	문화	환경	안전	보건	교육	노동	외교	국방
산업 키워드 분석	사회	경제	문화	환경	안전	보건	교육	노동	외교	국방
300개 키워드 분석	사회	경제	문화	환경	안전	보건	교육	노동	외교	국방

② 신산업 기술 영역

ICT	CR/바이오	신약	바이오	소재
제조	제조	제조	제조	제조
제조	제조	제조	제조	제조
제조	제조	제조	제조	제조
제조	제조	제조	제조	제조

③ 사회, 현안, 중요 키워드

대한민국	대한민국	대한민국	대한민국	대한민국
대한민국	대한민국	대한민국	대한민국	대한민국
대한민국	대한민국	대한민국	대한민국	대한민국
대한민국	대한민국	대한민국	대한민국	대한민국
대한민국	대한민국	대한민국	대한민국	대한민국

《 예시 : 생활환경분야 미세먼지 정책주기별 필요 데이터 》

단계	발생원인	측정	대응(예방, 예측 포함)
연관 데이터	발전소 배출현황 자동차 배출가스 비산먼지 사업장 골목 대기오염물질 냉매사용정보 ...	지역별 미세먼지 다중이용시설 실내공기질 도로변 미세먼지 국의 유입 대기 측정 ...	비상 저감조치 발령 현황 스마트클린서비스센터 미세먼지 저감 숲 국민행동요령 ...

※ 식별된 데이터 중에서 미개방된 데이터는 국가 중점개방 데이터에 포함하여 개방 추진

2. 공공데이터의 선택도

4. 우리민사에 제공되는 공공데이터의 제공 및 이용 상태에 관한 선택한 항목은 아래에 표시됩니다

3. 공공데이터의 신규개방

1. 개방이 더 필요하다고 생각하는 공공데이터가 있다면 선택해 주세요.

4. 신규로 개방하기를 원하는 공공데이터가 있다면 아래대로 작성해 주세요.

데이터 명칭(예시: 국가보훈처 국민행동요령) :

선택한 항목(필수작성, 중요데이터일, 주, 소, 시, 군, 구, 도, 광역자치단체 등) :

데이터 제공주기 :

제3차(20~22) 「국가 중점개방 데이터」 개방계획

2019. 12. 24.

관계부처 합동

05 National Core Data Project

Data with Nation's priority, high demand from private sector

119 Emergency Information Data

- Ambulance transport information, emergency patient first aid information, vehicle information, transported patient status(70,000cases)



119 emergency informa...

Research on emergency situation, trends, efficiency of emergency administration

Infectious Disease Treatment

- Infectious disease vaccine drug product information, approval information, treatment drug product information, maximum daily does per medication(137,062 cases)



Infectious disease-relat...

Research on health and safety, development of new products in the pharmaceutical fields

Flood Response Information Data

- Flood response information (Urban flood map, river overflow map) to prevent the loss of life or property damage from 'storm, tidal wave, heavy rainfall'



Utilizing data for navigation services alarming the flood and providing ultimate route / Research on flood prevention

안전한 강, 풍요로운 물!
한강홍수통제소



수위정보



강수량정보



댐정보



보정보



레이더정보



하천수위동영상



전국수문현황



한강수문현황



홍수특보발령

06 Presidential Open Data Hackathon (Value co-creation)

- ☑ **Tournament** : All ministries, public bodies hold own hackathon
- ☑ **Semi-Final** : 1st places of each hackathon goes to semi-Final(60)
- ☑ **Final** : 10 teams with presidential citation(total 100 million won)



06 Apps through Presidential Hackathon

1 호갱노노

Service

Current price of real-estate on apartment, 3D image of Apt

Data used

Information on prices of real-estate registered



2 화해

Service

Cosmetic information and customized recommendation

Data used

Ingredients of cosmetics



3 굿닥

Service

Search for hospital nearby, reservation for the hospital

Data used

Authorized information of operating hospital



4 모두의 주차장

Service

Information on public parking lot, empty parking spot left, reservation

Date used

Location and operating information of public parking lot



5 아이엠스쿨

Service

Announcement of school posting, lunch menu for student, e-attendance

Data used

Information on school



07 Evaluation of Open Data Operation and Management

Purpose

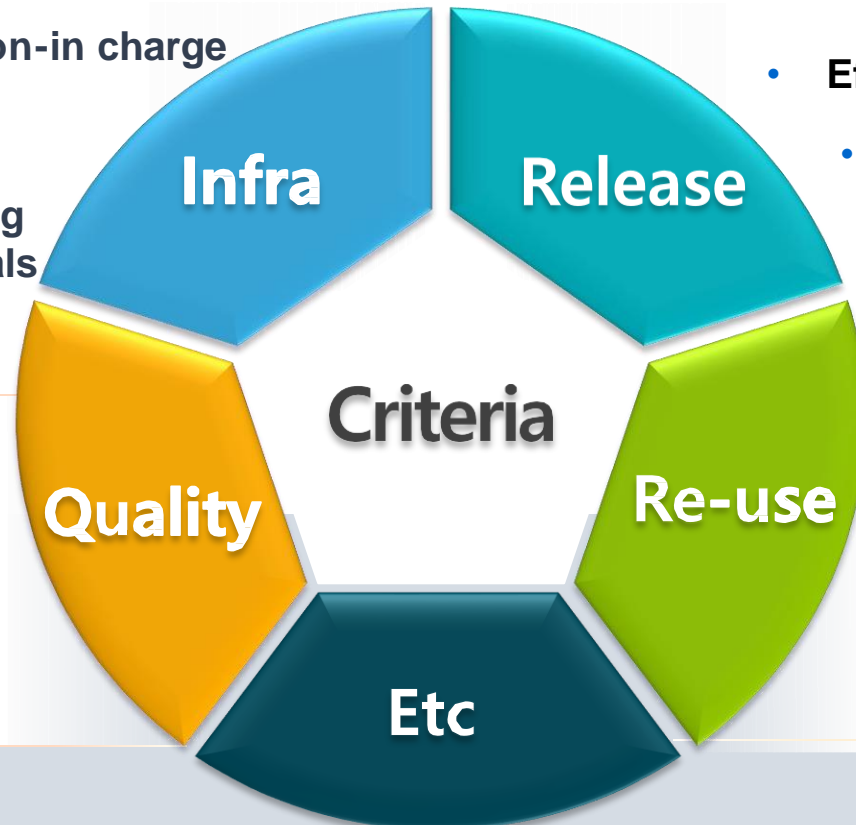
To improve Open Government Data policy by identifying the overall status of open data provision and operation and feedback to policy improvement

Eligibility

Public institutions (except for the National Assembly, courts, the Constitutional Court and the National Election Commission)

- Designation of person-in charge
- Data Budget
- Educating and training of government officials

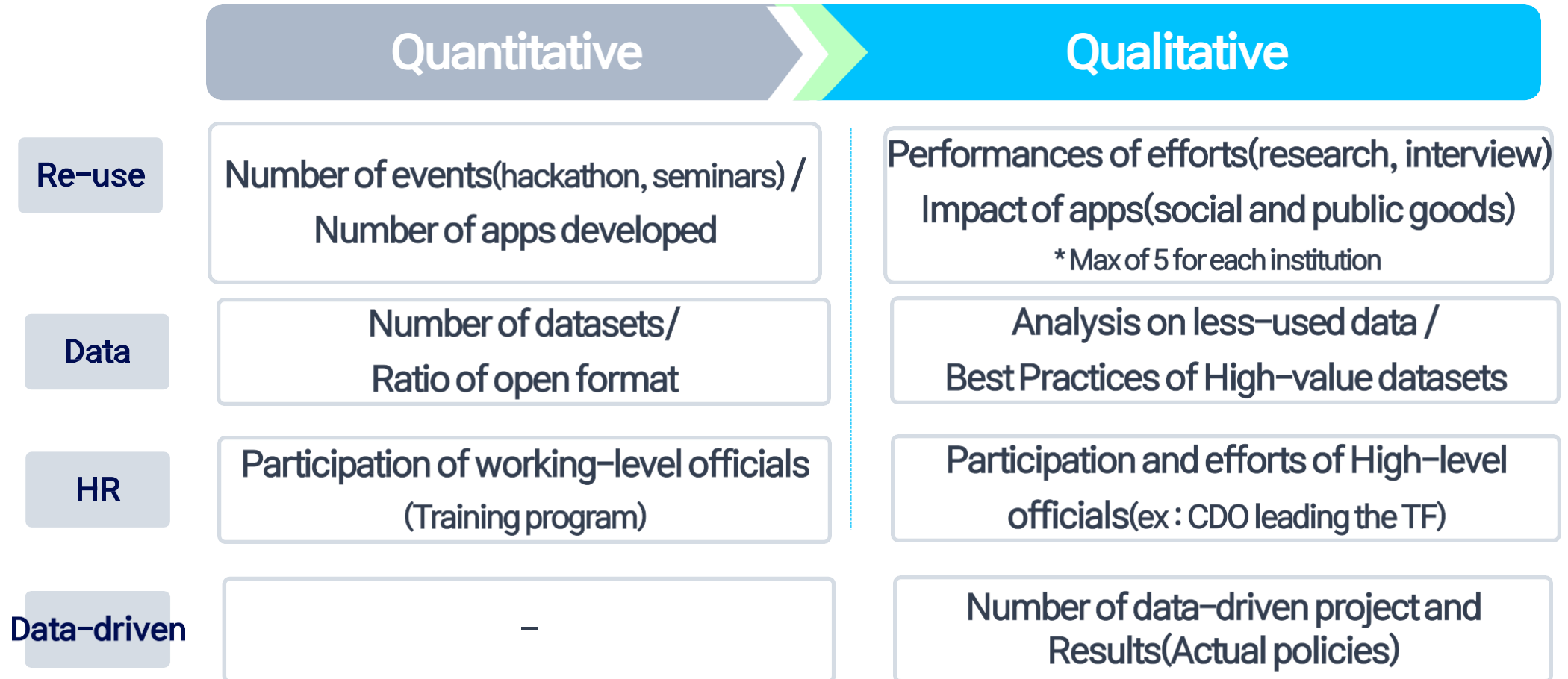
- Data and DB quality (Errors, Metadata)



- Efforts of releasing New data
 - Analysis on less-used
 - Open format / update

- Impact of services
- Support data startup (Financial aids, hackathon)
- Interviews/surveys with private

08 Changes of Korea Data Index (Next-edition)



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**United
Nations**

Department of
Economic and
Social Affairs

شكرا

谢谢

Thank You

Merci

Спасибо

Gracias