

Data Openness of Korea e-Procurement



Information Planning Division of PPS
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Open API for Procurement Data and Utilization



I. Introduction of Korea Public Procurement



I. Korea Public Procurement

< Main Service of KONEPS >

PPS

- Public Procurement Service (PPS) under Ministry of Strategy and Finance
- Provides procurement services for all public entities
- Operates **government-wide single e-Procurement portal (KONEPS)** that covers the entire procurement processes

Centralized &
Decentralized
Procurement

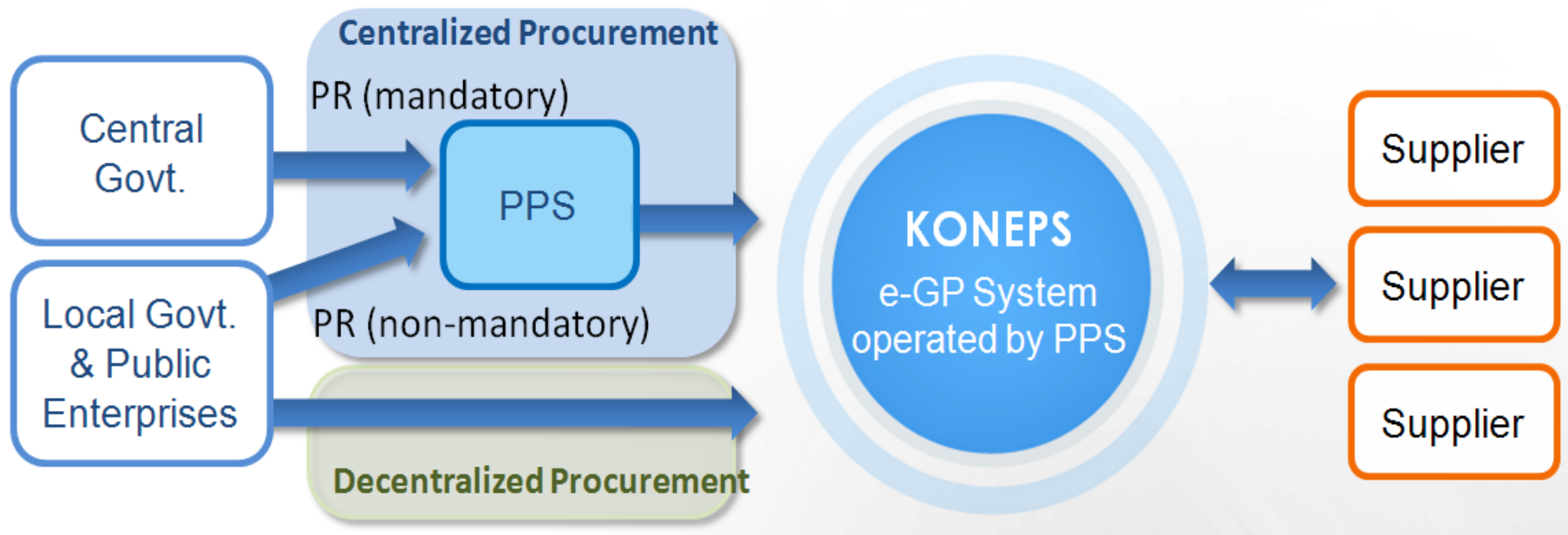
- **Central government entities are required to use PPS services for procurement above the threshold value**

Goods & Services	above \$100,000 USD
Construction Works	above \$3,000,000 USD

- **Local govt. entities and public enterprises may procure either autonomously or by using PPS services**

I. Korea Public Procurement

< Centralized & Decentralized Procurement in Korea >



- ✓ **KONEPS**(**K**orean **ON**-line **E**-**P**rocurement **S**ystem)
 - Korea's single public procurement portal
 - It allows electronic processing of the entire procurement cycle



I. Korea Public Procurement

< Main Service of KONEPS >

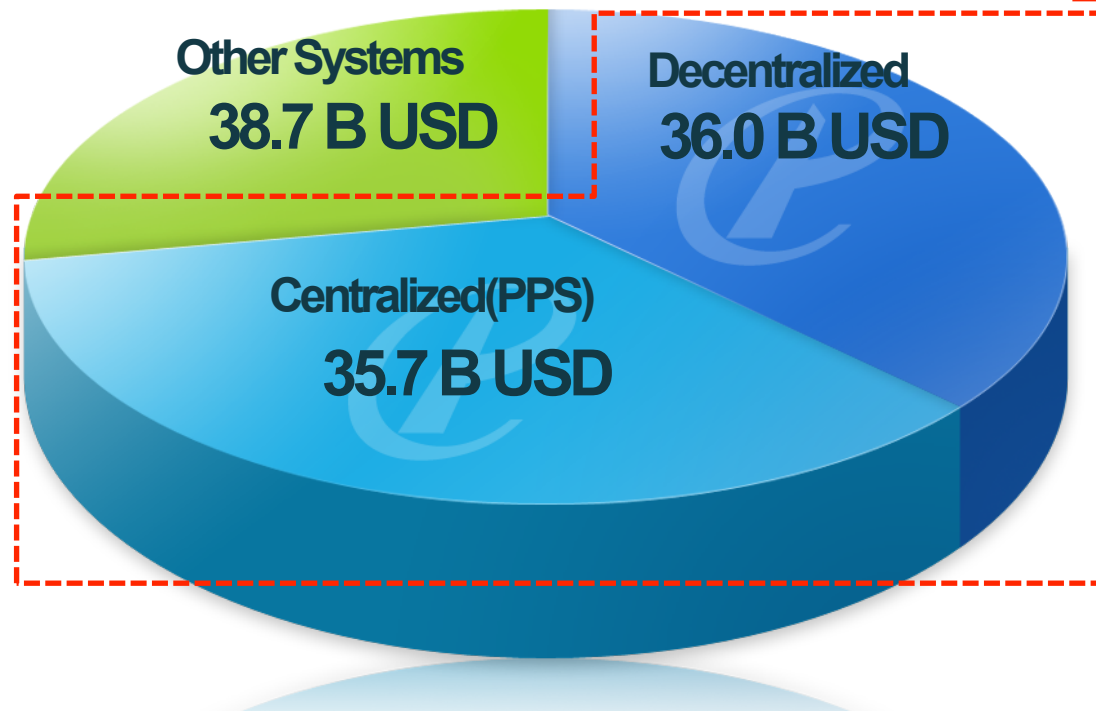


I. Korea Public Procurement

< Scale of Public Procurement in Korea >

Total amount ➤ 110.4 B USD('15)

➤ **In KONEPS : 71.7 B USD (64.9%)** ←



II. Data Openness via KONEPS



II. Data Openness via KONEPS

< Available Data In KONEPS >

- Entire process from PR to contract open to public

Procurement Request

- Procurement is officially entrusted by public entities

Procurement Request Status

- Status of procurement request entrusted to PPS

Plan for Order

- Plan for Order is revealed by public entities prior to bid notice

Preliminary Bid

- Specifications are open prior to bid notice

Bid Notice

- Bid Data Of KONEPS and other e-procurement system is provided

Result

- Bid result is provided (Name of bidders, rank, bid price)

Contract Status

- Contract Data is provided (supplier, price, contract No., period of contract)



II. Data Openness via KONEPS

< Provision of procurement Data based on linkage with other entities >

- Procurement Data is rendered via KONEPS being linked with respective e-procurement system of other public entities



Integration

Real-time

Anyone

Planning for Order	5 public entities: Land and Geospatial Information X Corporation, District Heating Corp., Korea Rail Network (KRN)
Preliminary Bid	4 public entities: KOICA, District Heating Corp., Korail, Korea Rail Network
Bid Notice	23 Public entities: Defense Acquisition Program Administration, Kepco, Korail, Korea Express Corporation
Contract Status	20 Public entities: Defense Acquisition Program Administration, Kepco, Korail, Korea Expressway Corporation



II. Data Openness via KONEPS

< Screenshot of Plan for Order in KONEPS >

- Plan for order is available to see without login.

Here for Plan of Order

입찰정보

물품

> 견적요청현황
> 조달청계약요청 및 진행현황
> 발주계획현황
> 사전규격공개
> 공고현황
> 개찰결과
> 최종낙찰자
> 계약현황

입찰정보

수요기관

조달업체

로그인

물품 발주계획 목록

1. 조달방식: 조달청 계약의뢰 건인 경우 **중앙조달**을, 기관 자체 집행 건인 경우 **자체조달**을 선택 후 검색하세요.

2. 연계기관의 발주계획 건은 사항 버튼()를 클릭하여 상세내용을 확인하실 수 있습니다.

3. 정확한 발주명을 모를 경우, 생각나는 단어만 입력하여 검색할 수 있습니다.

4. 게시일자는 발주계획 건의 등록일자를 뜻하며, 게시일자와 발주시기를 지정하여 조회할 수 있습니다.

5. 발주계획 공고 내용은 발주기관의 사항이나 기타 여건에 따라 변경될 수 있습니다.

1 ~ 1000

엑셀다운로드

검색건수 : 4,706건

10

목록고침

번호	업무	발주기관		사업명	세부품명(품목분류명)	
		유형	발주시기		조달방식	계약방법
1	물품	대구광역시남부교육청 대구대곡초등학교	2016년 10월 급식용 농수산물 공동구매(대곡초,전철초) 소액수의 전자견적 제출 공고	[5017200101] 간장	1 식	₩30,843,640
2	물품	한국농어촌공사 제주지역본부	제주시 농업용 수리시설 사후위탁관리 시설용 펌프 구매	[4015154701] 삼정용펌프	1 식	₩10,780,000
3	물품	대구광역시동부교육청 입석중학교	2016년 10월 부식용 농수산물 공동구매 소액수의 전자견적	[5018200501] 떡	1 1	₩32,542,950
4	물품	충청북도교육청 일신여자고등학교	2016년 10월분 일신여자고등학교 학교급식용 육류물품 공동구매 입찰공고	[1010151101] 돼지	1 식	₩7,824,000
5	물품	전라남도교육청 전라남도목포교육지원청	2016년 신설 목포백련유치원 학습자료 구매	[6010279901] 교육용놀이세트	1 식	₩113,228,590

No need for login

Integrated Data
With other system

II. Data Openness via KONEPS

< Screenshot of preliminary bid Data in KONEPS >

- Preliminary bid Data is open prior to bid notice for anyone to see without login

No need for login

Here for preliminary Data

The screenshot displays the KONEPS (Korea Open Network Electronic Procurement System) interface. On the left, a sidebar menu lists various procurement stages, with '사전규격공개' (Pre-bid Specification Disclosure) highlighted. The main content area shows details for a specific procurement item, including its reference number, name, and schedule. A table lists key information such as the item number, name, estimated amount, and dates. A note at the bottom explains that the specifications are publicly available from the Korea Railroad Corporation and provides a link to view the details.

[공공기관 요청규격서]			
참조번호	1000009214	사전규격등록번호	386717
품명(사업명)	KTX43 내장재:동력객차 및 객차수리 외주수선		
배정예산액	₩ 0		
공개일시	2016/09/12 10:35	의견등록마감일시	2016/09/13 18:00
공고기관	한국철도공사		
수요기관	한국철도공사		
SW사업대상여부	비대상	납품기한(납품일수)	2017/02/01 계약 후 0 일 이내
규격서 파일	본 규격은 나라장터 연계기관인 한국철도공사에서 공개한 규격입니다. 자세한 정보확인 및 의견등록은 아래 주소를 클릭하시어 진행하시기 바랍니다. 클릭 http://ebid.korail.com/main.jsp?body=/bid/publicStdDetail.jsp?std_no=1000009214,item_type=1,menu_code=A.1.1		

Preliminary bid Data
of KONEPS & other systems

II. Data Openness via KONEPS

< Screenshot of bid notice in KONEPS >

- Integrated information(KONEPS + 23 individual e-procurement systems) is provided

No need for login

Here for
bid notice

and Data and links on
KONEPS-linked bidding system

입찰정보

물품

- > 견적요청현황
- > 조달청계약요청 및 진행현황
- > 발주계획현황
- > 사전규격공개
- 공고현황**
- > 개찰결과
- > 최종낙찰자
- > 계약현황

입찰정보 수요기관 조달업체 로그인

입찰공고 목록 온라인 메뉴얼

- 공동수급, 투찰 항목의 버튼을 누르면 공동수급협정서, 입찰참가신청서, 입찰서를 온라인으로 제출할 수 있습니다.
- 연계기관 공고건인 경우 새창 버튼()을 클릭하면 해당기관 사이트로 이동하여 입찰공고 목록 또는 상세화면을 조회할 수 있습니다.
- 일반투찰** : 기존 인증서로 투찰이 가능한 입찰(단, 지문보안토큰으로도 투찰이 가능)
- 지문투찰** : 지문보안토큰으로만 투찰이 가능한 입찰(단, 지문인식 신원확인 예외적용 신청서를 제출한 입찰자 또는 지문인식 신원확인 예외자로 등록된 입찰자는 기존 인증서로 투찰이 가능)

업무	공고번호-차수	분류	공고명	공고기관	수요기관	계약방법	입력일시 (입찰마감일시)	공동 수급	투찰
물품	20160915982-00	긴급	2016년도 의약품(Acyclovir cream 등 62종)물품구매	보건복지부 국립공주병원	보건복지부 국립공주병원	일반(총액)	2016/09/21 13:38 (2016/09/26 10:00)		지문 투찰
물품	20160913021-00	일반	동대구역 복합환승센터 기반시설 정비사업 승강기 구입(설치)	조달청 대구 지방조달청	대구광역시 건설본부	제한(총액)	2016/09/21 13:38 (2016/09/29 10:00)		지문 투찰
물품	2016090806001-00	일반	TK-220 지중탱크용 IGDU 적외선 가스감지기 구매	한국가스공사	한국가스공사	제한(총액)	2016/09/21 13:27 (2016/09/27 11:00)		
물품	20160904329-01	변경	c대구노원1 아파트건설4공구 배수펌프 구매	조달청 대구 지방조달청	한국토지주택공사 대구 경북지역본부	제한(총액)	2016/09/21 13:27 (2016/09/27 12:00)		지문 투찰

II. Data Openness via KONEPS

< Screenshot of bid result in KONEPS >

- Bid results are revealed upon completion of bid opening (provision of bidders' price, time, rank in a transparent manner)

입찰정보

물품

- > 견적요청현황
- > 조달청계약요청 및 진행현황
- > 발주계획현황
- > 사전규격공개
- > 공고현황
- > **개찰결과**
- > 최종낙찰자
- > 계약현황

입찰정보 | 수요기관 | 조달업체 | 로그인

물품 개찰결과 상세조회

1. 개찰결과는 단지 입찰서 제출결과 보여주는 것으로서 입찰참가자격, 적격심사 결과에 따라 최종낙찰자는 별도로 결정됩니다.
2. 적격심사 대상업체는 적격심사신청서를 지정된 기일내에 반드시 제출하시기 바랍니다.

[입찰결과]

입찰공고번호	20160909060-00	참조번호	의령군-596
공고명	서동생활공원 천자문 보도블럭 설치공사 관급자재 구입		
공고기관	경상남도 의령군	수요기관	경상남도 의령군
집행관	진영주	입회관(담당자)	진영주
실제개찰일시	2016/09/22 15:13	복수예비가 및 예정가격	보기
적격심사결과	□ 사전판정 과정에서 부적격 처리된 업체의 투찰금액과 투찰률은 표시되지 않습니다. 판정관련 문의는 해당 공고의 입 찰접행관에게 문의하시기 바랍니다.		
유의사항			

No need for lo

Here for
bid result

Upon completion,
bid results are open

[개찰순위]

순위	사업자등록번호	업체명	대표자	투찰금액(원)	투찰률(%)	추첨 번호	투찰일시	비고
1	6118107194	(주)마천스트론	임권택	56,098,800	88.489	05 07	2016/09/21 1 6:50:00	
2	6118110966	(합자)원광석재	허근	63,030,000	99.423	12 05	2016/09/19 1 6:01:29	
	6110169693	위천석재	최학영	55,656,820	87.792	10 01	2016/09/21 1 8:27:31	낙찰제한선 미달
	6118117649	모동석재주식회사	강신율					전자입찰취소신 청

II. Data Openness via KONEPS

< Screenshot of contract Data in KONEPS >

Each process of contract Data is open real time
(detailed Data Like end-user, contractor, contract method, price)

No need for

입찰정보

물품

> 견적요청현황

> 조달청계약요청 및 진행현황

> 발주계획현황

> 사전규격공개

> 공고현황

> 개찰결과

> 계약낙찰자

> 계약현황

입찰정보 수요기관 조달업체 로그인

물품계약목록

Excel내려받기

공공데이터포털(조달데이터개방)

계약번호	계약기관	계약금액	계약방법	계약일자
	수요기관	품명		계약업체명
00166132700	조달청	265,100,000(원)	제한경쟁	2016/09/21
	한국저작권위원회			(주)네오워드넷
25163250600	조달청 대전지방조달청	77,616,000(원)	제한경쟁	2016/09/21
	소상공인시장진흥공단			(재)중소기업연구원
1100034609	한국철도공사	42,199,000(원)	일반경쟁	2016/09/21
	한국철도공사	전동차용보조전원장치(인버터용)		(주) 이건설전
7100003845	한국철도공사	3,689,400(원)	수의계약	2016/09/21
	한국철도공사	육각볼트		한국보싸드(주)
2016092581700	경기도수원교육청 매탄초등학교	1,416,000(원)	수의계약	2016/09/21
	경기도수원교육청 매탄초등학교	기타인쇄물		주식회사 지성서적
2016092577900	경상남도 창원시 마산합포구	3,294,000(원)	수의계약	2016/09/21
	경상남도 창원시 마산합포구	잡석		극동석재
2016092577800	충청북도교육청 충청북도청주교육지원청 가경중학교	4,228,520(원)	수의계약	2016/09/21
	충청북도교육청 충청북도청주교육지원청 가경중학교	감자종자또는종묘		청주시친환경우수농산물유통센터 주식회사

Here for
Data

Contract Data
Of each contract

III. Opening Statistics on Public Procurement



III. Opening Statistics on Public Procurement

<Introduction of“Ontong Procurement” >

Name

- Statistics on Public Procurement (Ontong Procurement)
- URL: www.ppstat.g2b.go.kr



When

- Launched in Mar. 2015
- System development duration: About 1 year, Cost: USD 1.3m



Background

- For efficient procurement policy making and its effects analysis, the need of statistics-specialized platform arose



Scope of Data Collection

- Contract Data for product, service, and construction
- 87 items are collected including contract signing, bid Data



Service

- 102 statistics reports are rendered with which the entire procurement trends are monitored.



III. Opening Statistics on Public Procurement

<Statistics System on Public Procurement Flow>

Contracts for product, service and construction

102 statistics reports of contract data being collected and analyzed

Public Entities



Central gov. Schools



Local gov. Public hospitals



Police office Fire house



e-contracts



24 e-Procurement systems (like KONEPS)

Paper-based contracts



Paper-based contracts

Bidding and contract Data

(data collection via linkage)

Contract Data

(entry contract Data by the entities)

Statistic system

Data collection and analysis

Statistical DB

102 Statistics



III. Opening Statistics on Public Procurement

< 102 Types of Statistics>

- 102 types of statistics consisting of 3 major Sections (Statistics - Major /General/Customized)

Category		Contents	Quantity
Major Statistics		Overall status of entire public procurement, procurement data by entity, by supplier, by contract type, data of limited contract by region, compulsory joint contract, contract by contract purpose	7
General Statistics (90)	Entities	Statistics on public entities	13
	Suppliers	Statistics on suppliers	8
	Regions	Statistics on regions of end users or suppliers	9
	Contract type	Statistics by contract type (goods, construction, service, technical service)	41
	Support Policies	Statistics on support for SMEs, social enterprises, green products	19
Customized Statistics		Customized statistics for an individual entity	5
Total			102

III. Opening Statistics on Public Procurement

< Example of Statistics 1 (Table Type) >

Name of Statistics → 기관구분별 조달 현황

Period → 자료구분: 마감통계 기준년월: 2015-01 ~ 2015-12 1개월

Entity → 전체, 국가기관, 지방자치단체, 교육행정기관

Year/Date → 년도, 년월

Month/Total → 월별, 누계

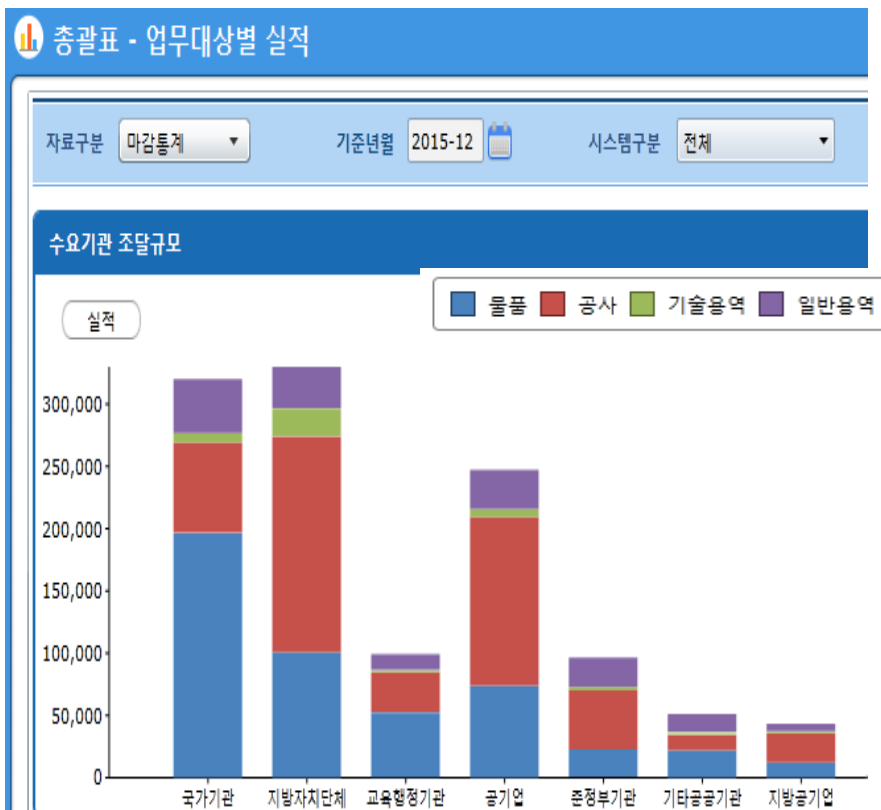
Number/Price → 건수, 금액

기준년월			전체		국가기관		지방자치단체		교육행정기관	
년도	년월	구분	건수	금액	건수	금액	건수	금액	건수	금액
전체			3,344,960	1,189,752	382,880	320,249	1,101,947	330,035	1,355,496	99,074
2015-12	12	월별	305,148	260,625	38,657	119,852	90,619	41,501	123,937	12,416
		누계	3,344,960	1,189,752	382,880	320,249	1,101,947	330,035	1,355,496	99,074
2015-11	11	월별	311,074	84,255	41,170	17,000	102,982	22,133	117,990	6,677
		누계	3,039,812	929,127	344,223	200,397	1,011,328	288,534	1,231,559	86,658
2015-10	10	월별	298,911	72,400	35,871	12,934	97,064	22,887	120,560	6,721
		누계	2,728,738	844,873	303,053	183,397	908,346	266,401	1,113,569	79,981
2015-09	09	월별	264,019	61,838	31,584	10,772	78,773	18,925	113,993	6,378
		누계	2,429,827	772,473	267,182	170,463	811,282	243,514	993,009	73,260
2015-08	08	월별	219,639	58,124	29,294	12,806	71,844	14,226	82,413	7,456
		누계	2,165,808	710,635	235,598	159,690	732,509	224,589	879,016	66,882

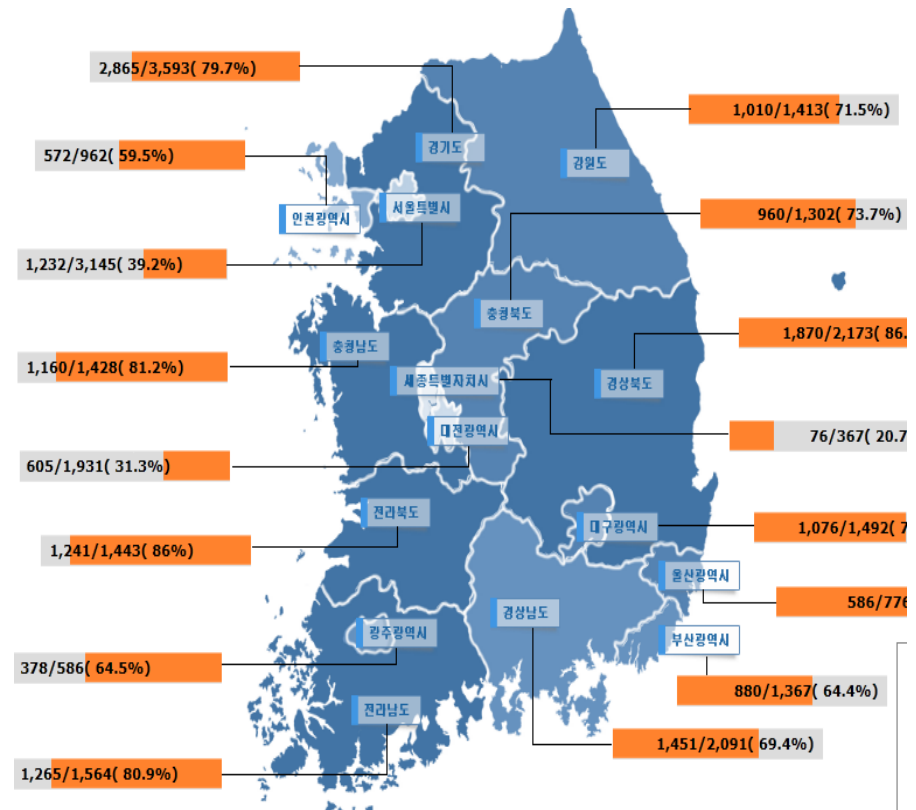
III. Opening Statistics on Public Procurement

< Example 2 (Graph, Map)>

Bar Graph Type



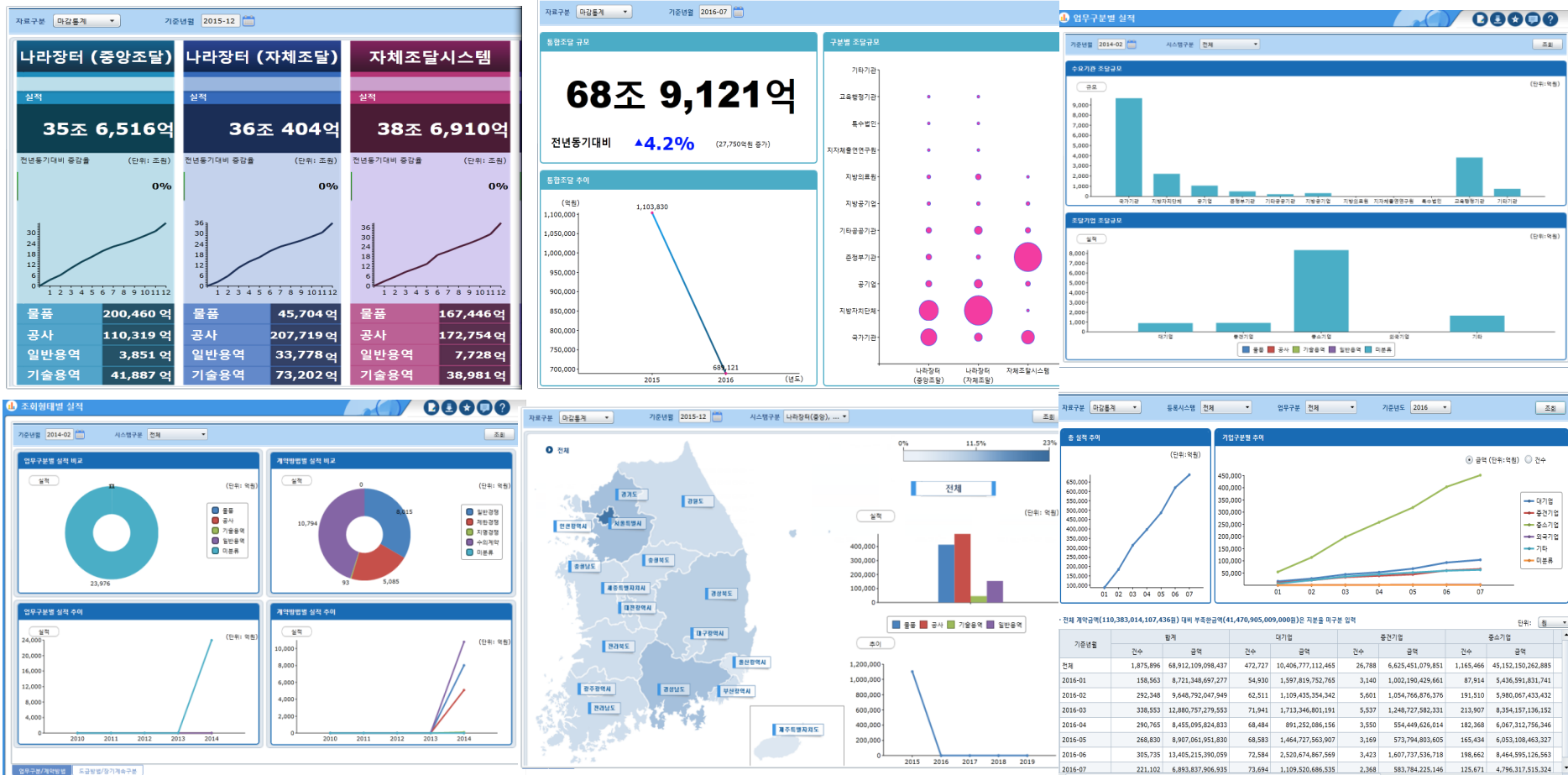
Map Type



III. Opening Statistics on Public Procurement

< Example 3 >

● User-friendly visualized statistical data is provided



III. Opening Statistics on Public Procurement

< Utilization of Procurement Statistics >



Public Entities



Political Support

Support in Political Decision Making

Statistical data is used for performance evaluation by public entities



Procurement Firms



Market Analysis

Market Analysis

Market entrance or exploration plan can be devised by monitoring market trends.



Public



**Budget Execution
Open to public**

Budge Execution Open to Public

Budge execution is open to public so that individuals and groups use for multiple purposes



IV. Open API for Procurement Data and Utilization



IV. Open API for Procurement Data and Utilization

● Public Data?

Refers to documents or Data created and managed by public entities
(all types of data in form of text, figure, image, video clip, or audio)

- A variety of applications and web services developed via open API are available for public

Utilization

< Weather forecast app. >



Update every three hours,
weekly forecast

Weather forecast for my region
provided by KMA

< Traffic App. >



Whereabouts of
local bus and bus
stops

Bus routes provided by local
governments

IV. Open API for Procurement Data and Utilization

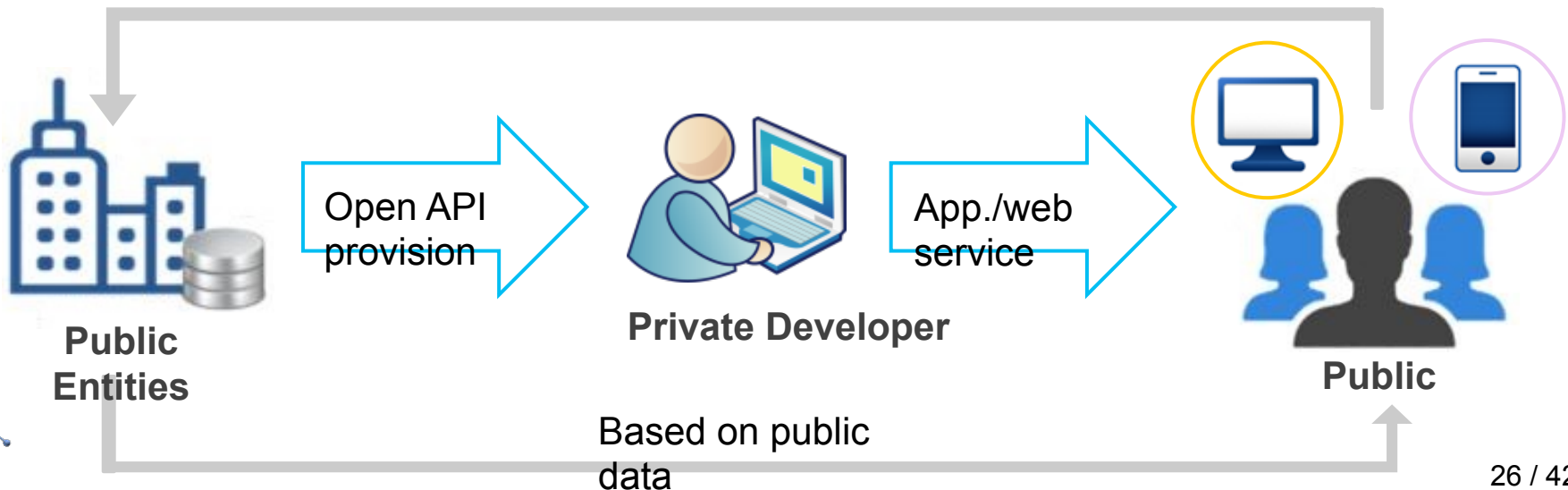
● Open API (Open Application Programming Interface)

Interface where programmers freely develop app. or web service based on data rendered by Data providers

➡ Approx. 2,000 data register by public entities open via open API and public data portal serves as a single channel

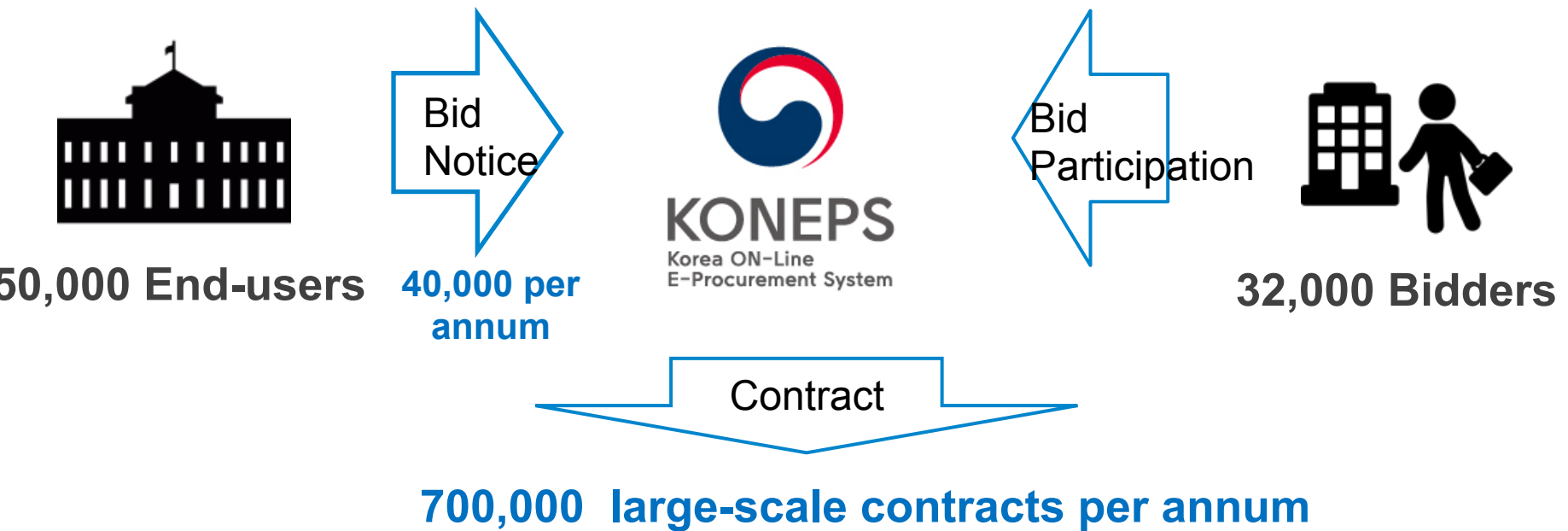
< Flow of Public Data Utilization via Open API >

Search for public data needed for app./web service



IV. Open API for Procurement Data and Utilization

< Procurement Data highly demanded in the private sector >



- Public procurement is valuable Data which affects lives of millions of people and economic performance
- Demand of public procurement Data is high as one of 36 national open data selected by people (announced by MOI)



IV. Open API for Procurement Data and Utilization

< State of Procurement Data Openness >

6 types of procurement Data available to public (but, service fee charged)

- Data Provision system

Open data with fee (Data Provision System)

6 types including bid notice/contract/winning/plan for order/preliminary bid/request for contract

2008

2013

2 types of procurement Data available via open API for complimentary

Data open for free(open API)

2 types including plan for order/price Data(common construction materials, market price)

2015

6 types of procurement Data available via open API for complimentary

- Complimentary open data is developed via Open API to be provided on public data portal

Complimentary open data(Open API)

6 types including bid Data/contract/Winning/Preliminary bid/Catalog Data/ product sorting system by specific name

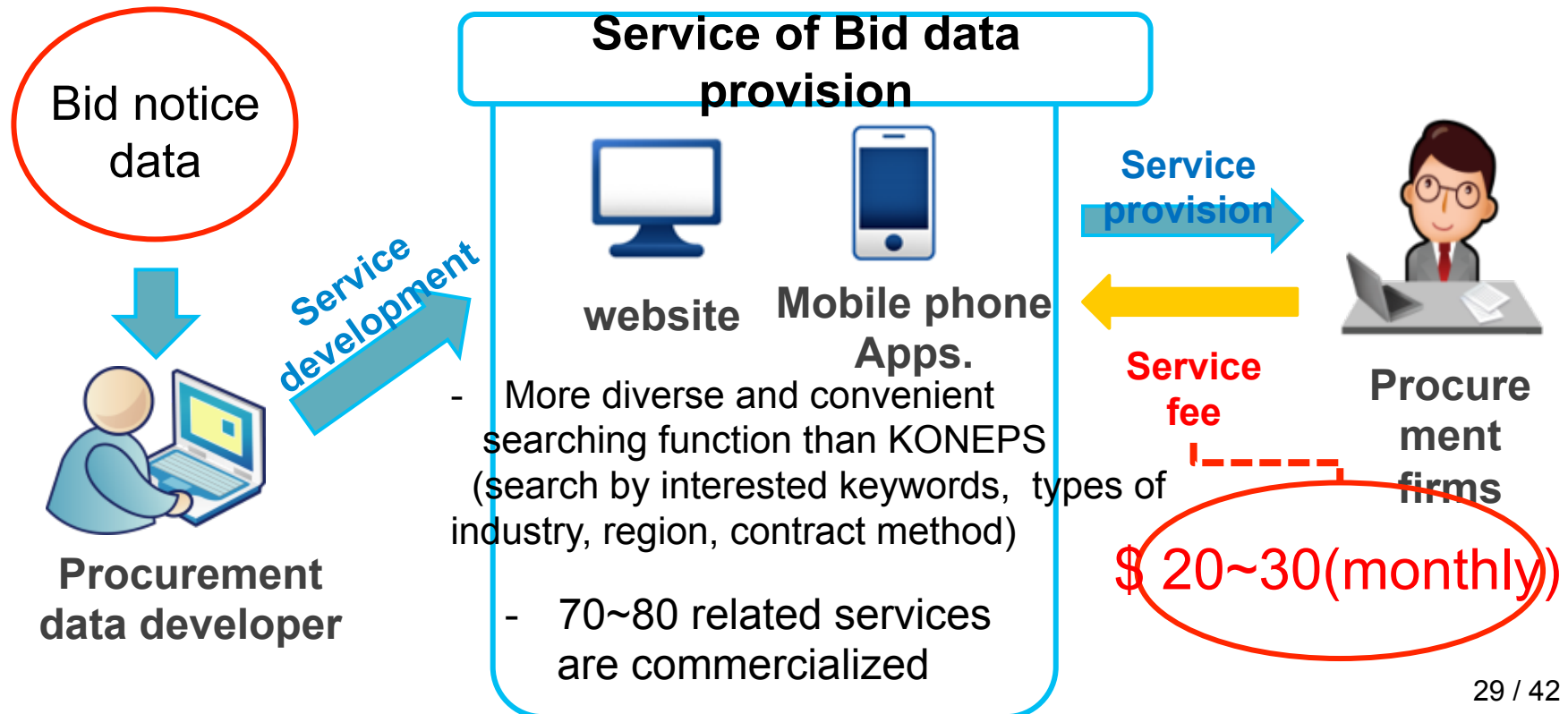


IV. Open API for Procurement Data and Utilization

< Case 1 of Utilizing Procurement Data >

● Tailored bid notice data is rendered

Bid notice can be searched by various criteria and bid notices containing keywords previously registered are informed via text, email



IV. Open API for Procurement Data and Utilization

< Bid data provision service VS KONEPS >

검색유형	<input checked="" type="radio"/> 입찰공고 <input type="radio"/> 개찰결과 <input type="radio"/> 최종낙찰자			
업무	<input checked="" type="checkbox"/> 전체 <input type="checkbox"/> 물품 <input type="checkbox"/> 공사 <input type="checkbox"/> 용역 <input type="checkbox"/> 리스 <input type="checkbox"/> 외자 <input type="checkbox"/> 비축 <input type="checkbox"/> 기타 <input type="checkbox"/> 민간			
공고명	<input type="text"/>			
공고/개찰일	검색기간은 공고일자 최대 3개월, 개찰일자 최대 3개월까지 가능(단, 검색건수 표시 해제시) 공고일 ▼ 2016/08/23 ~ 2016/09/22 <input type="radio"/> 최근1개월 <input type="radio"/> 최근2개월 <input type="radio"/> 최근3개월			
기관명	<input checked="" type="radio"/> 공고기관 <input type="radio"/> 수요기관 <input type="text"/> <input type="button" value="검색"/> <input type="checkbox"/> 특정 기관만 검색 <input type="button" value="도움말"/>			
참조번호	<input type="text"/>	참가제한지역	서울 ▼ <input type="button" value="검색"/> <input type="button" value="도움말"/>	
업종	<input type="text"/> <input type="button" value="검색"/> <input type="button" value="삭제"/>	추정가격	<input type="text"/> 이상 ▼ <input type="button" value="도움말"/>	
세부품명번호	<input type="text"/> <input type="text"/> <input type="button" value="검색"/> <input type="button" value="삭제"/> <input type="button" value="도움말"/>			
다수공급경쟁사 여부	<input type="checkbox"/> 다수공급경쟁사 <input type="button" value="도움말"/>		조달요청번호/PR No.	<input type="text"/>
입찰제한제외 여부	<input type="checkbox"/> 제외		국내/국제구분	전체 ▼
공고종류	실공고 ▼		목록수	30 ▼ <input type="checkbox"/> 검색건수 표시 <input type="button" value="도움말"/>

- Searching criteria for bid notice is not diverse
- Multiple searching is not available (single criteria at a time)
- Alarm service for Interested bid notices via text, e-mail is not available



IV. Open API for Procurement Data and Utilization

< Example on tailored bid notice data provision service >

Source: Info 21C(Donggin Company)

> 업종설정 (아래 G2B물품분류/키워드/종목 설정한 공고를 모두 확인 할 수 있습니다.)

G2B물품분류	키워드	종 목
(8115160401) 측량용역 (8110150801) 건축설계용역 (7211900101) 건축공사 (7215159901) 일반소방시설공사(전기) (7215269801) 지붕판금건축물조립공사	엔진 발전기 전동기 산업용기계 산업용 장비 종이 시계	전기, 조명, 난방류 전자재, 창호, 건축내장재 제조부품, 철물류 실험, 측정, 관측, 검사기기 사무용품, 기기 인쇄, 출판, 사진, 시청각 산업용청정, 세탁기기
수정하기>	수정하기>	수정하기>

Search by region

> 지역설정

<input type="checkbox"/> 전국	<input checked="" type="checkbox"/> 서울	<input checked="" type="checkbox"/> 부산	<input type="checkbox"/> 광주	<input checked="" type="checkbox"/> 대전	<input type="checkbox"/> 인천	<input type="checkbox"/> 대구	<input type="checkbox"/> 울산
<input checked="" type="checkbox"/> 경기	<input type="checkbox"/> 강원	<input type="checkbox"/> 충북	<input type="checkbox"/> 충남	<input type="checkbox"/> 경북	<input type="checkbox"/> 경남	<input type="checkbox"/> 전북	<input type="checkbox"/> 전남
<input type="checkbox"/> 제주	<input type="checkbox"/> 세종						

Search by end-user

> 제외할 공고 설정

나라장터	한국전력공사(제외)	국방조달본부	그외 공공기관(제외) ?	그외 민간기관 ?	기타 발주처 ?
<input checked="" type="radio"/> 수집 <input type="radio"/> 제외	<input type="radio"/> 수집 <input checked="" type="radio"/> 제외	<input checked="" type="radio"/> 수집 <input type="radio"/> 제외	<input type="radio"/> 수집 <input checked="" type="radio"/> 제외	<input checked="" type="radio"/> 수집 <input type="radio"/> 제외	<input checked="" type="radio"/> 수집 <input type="radio"/> 제외


Search by selection method, contract method

공고분류	제외설정	공고분류	제외설정
최저가 공고 ?	<input checked="" type="checkbox"/> (제외)	직접생산 공고 ?	<input checked="" type="checkbox"/> (제외)
2단계 및 가격분리 공고 ?	<input type="checkbox"/>	지명경쟁 공고 ?	<input type="checkbox"/>
협상 공고 ?	<input checked="" type="checkbox"/> (제외)	급식 공고 ?	<input type="checkbox"/>
전자시달 공고 ?	<input type="checkbox"/>	아파트 공고 ?	<input type="checkbox"/>
직찰 공고 ?	<input checked="" type="checkbox"/> (제외)	여성기업 경쟁 공고 ?	<input type="checkbox"/>
제조제한 공고 ?	<input type="checkbox"/>		

IV. Open API for Procurement Data and Utilization

< Utilizing other procurement data >

Data of bid
awarding



Contract
Data



Bid Awarding Analysis Service

Awarded bids are analyzed in table, graph, calculation program

< Description >

- Search for bid progress and outcome analysis
- Bid awarding record by end-users and statistics analysis
- Analysis of participating bidders
- Lowest tender rate of most favored bidders,

Bid Consulting

Training & awarding service to firms with lack of knowledge in bidding to be successful in bidding

< Description >

- Procedure of e-bidding, terminology, online bid training
- Price prediction and recommendation through analysis of awarded firms by the end-user
- Score calculation in eligibility test by end-user



IV. Open API for Procurement Data and Utilization

< Bid awarding data analysis service >

Source: Info 21C(Donggin Company)

Basic bid Data
(Standard price,
unsuccessful rate,
reference price)

공고기본정보

공고종목	전기, 보링/그라우팅	지역	전국
공고번호	E011618996-1	발주기관	한국전력공사 경기지역본부
입찰일시	2016-09-23 15:00	기초금액	813,068,548 원
추정가격	739,144,195 원	낙찰하한율	86.745 %
예정가격	786,330,638 원	예가/기초	96.7126 % (-3.2873 %)
낙찰하한가	682,102,512 원	투찰/기초	83.893 %

내역서 변환
오픈기념 무료체험

- 설계 → 계약내역서
- 계약 → 기성내역서

[공무달인 바로가기](#)

Outcomes
(favored bidder)

투찰결과

구분	순위	등록번호	업체명	대표자	투찰금액	투찰율(%)	기초대비(%)	업체별사정율(%)	분석
1순위업체	1	3058199654	주식회사 대양이엔씨	박찬현	682,237,428	86.7621	83.9100	96.7318 (-3.2682)	분석

개찰결과

Outcome analysis
(multiple reference prices,
distribution chart to standard
price)

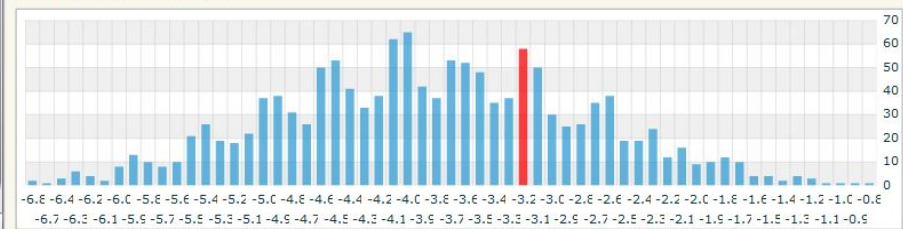
>복수예가 15개 평균 : -3.8931% (96.1067%)

NO	금액	기초대비	
		소숫점	백분율
1	768,132,811	-5.5255	94.4744
2	778,821,926	-4.2108	95.7891
3	755,968,697	-7.0216	92.9783
4	794,399,172	-2.2949	97.7050
5	782,668,040	-7.4275	92.5724
6	787,376,515	-3.1586	96.8413
7	812,687,077	-0.0456	99.9543
8	753,909,639	-7.2748	92.7251
9	782,905,773	-3.7085	96.2914
10	771,385,381	-5.1254	94.8745
11	813,052,632	-0.0007	99.9992
12	782,943,043	-3.7039	96.2960
13	766,914,803	-5.6753	94.3246
14	797,690,764	-1.8901	98.1098
15	802,213,950	-1.3338	98.6661

>복수예가 분포도



>복수예가 조합 1365개 분포도



IV. Open API for Procurement Data and Utilization

< Bid awarding data analysis service >

Source: Info 21C(Donggin Company)

Data On bid participating firms(by firm bid price, lowest tender rate)

참여업체 리스트 [전체] (총 참여업체 수 : 57)

업체명 ▼

순위	등록번호	업체명	대표자	투찰금액	투찰율(%)	기초대비(%)
1	3058199654	주식회사 대양이앤씨	박찬현	682,237,428	86.7621	83.9100
2	1178122922	(주)태호산업	박광석	682,245,180	86.7631	83.9109
3	1278188218	주식회사 미남전설	조주연	682,289,790	86.7688	83.9164
4	1348618826	범진에너지건설(주)	김익근	682,330,500	86.7739	83.9214
5	1348171262	주식회사 신양	황규봉	683,571,840	86.9318	84.0741

End-user analysis (proportion calculation with reference and standard prices)

검색조건

발주기관: 조달청, 종목: 공사-전체, 지역: 전체

예가/기초 흐름

•No:19 •공고명:웅천일반산업단지 조성공사



IV. Open API for Procurement Data and Utilization

< Procurement data market >



About 80 entities

About USD 50 ~60
million

About 800~1000
personnel

No. of firms using
procurement data

Size of
Procurement
data market

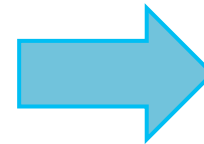
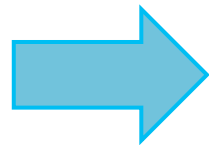
Job Creation

IV. Open API for Procurement Data and Utilization

<2016 Plan for opening procurement data >

Addition of 6 types of
procurement data

Renewal of
existing 8
types of data



Establishment
of development
of new service



Inducing
ventures



Job creation



IV. Open API for Procurement Data and Utilization

<2016 Plan for opening procurement data >

- 6 types of data expected to have high demands

Online shopping mall product list

- Information on list of product & services registered with KONEPS online shopping mall (410,000)

KONEPS user Data

- KONEPS registered procurement firms and end-users

Bid Data In Nuri market

- Bid Data In Nuri market (KONEPS for the private sector)

Data on Industry

- Industries registered with KONEPS and relevant acts

Statistical data on public procurement

- Statistics of bid and contracts collected in statistical system (Ontong Procurement)

Valid period for products

- Valid period of procured products or services by end-users



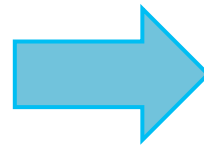
2016 Plan of opening procurement data 3

< Improvement of existing procurement data

- Better convenience and usage with addition of data searching criteria, provision sections to existing 8 types in open API

Diversifying data searching options

Ex) Data searching was available only through date but not by bid title, end-user, region, industry, estimated price



Expansion of Data Provision!

Ex) Previously 8 digit code was available but now 2,4,6,8,10 digit codes can be utilized to get entire product sorting No.

Current Procurement data(8types)

Plan for order

Preliminary data

Bid notice data

Bid award Data

Contract Data

Product catalog Data

Product sorting system by specified product names

Price Data

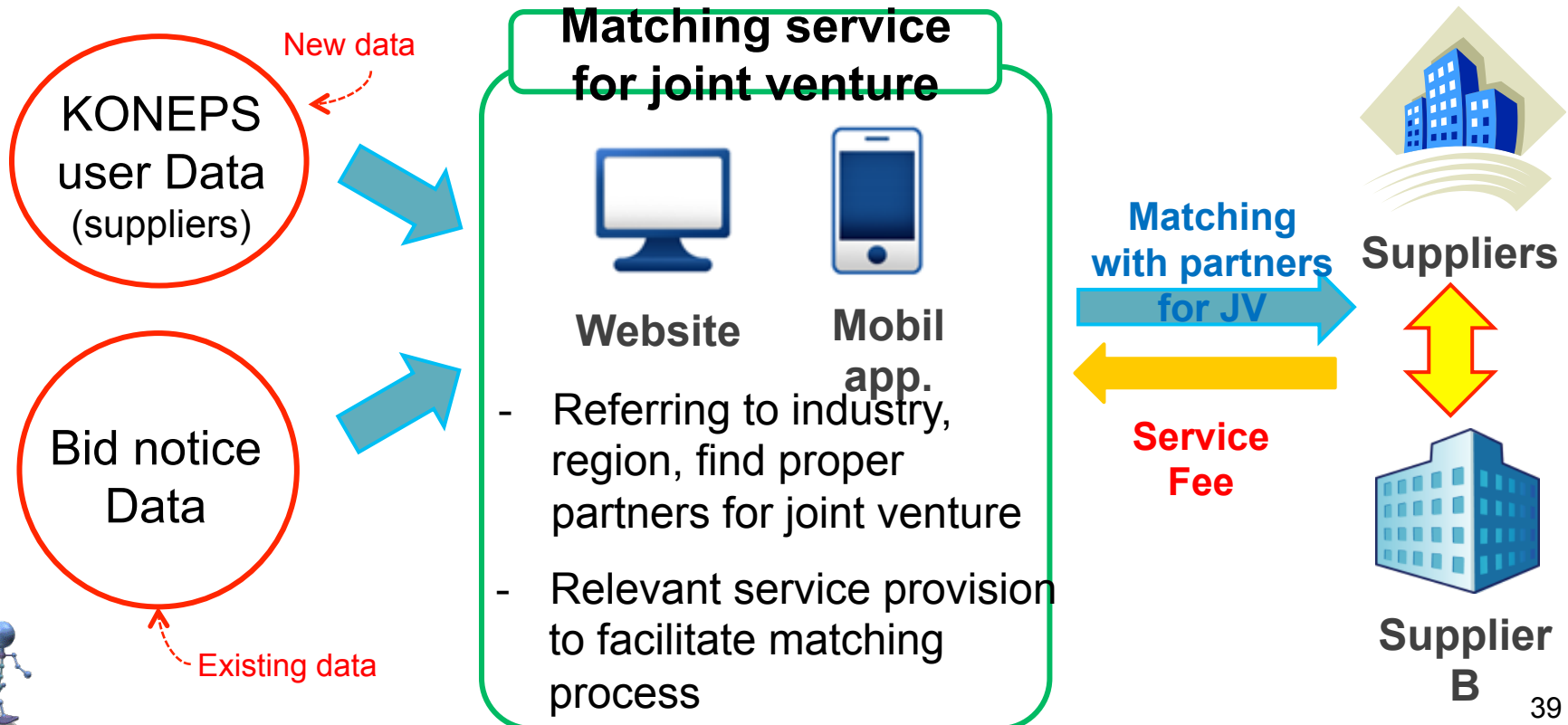


IV. Open API for Procurement Data and Utilization

< Services to be developed in the future >

● Matching service for joint venture

Firms with lack of Data can find their partners in joint venture using registered data(region, industry) with KONEPS

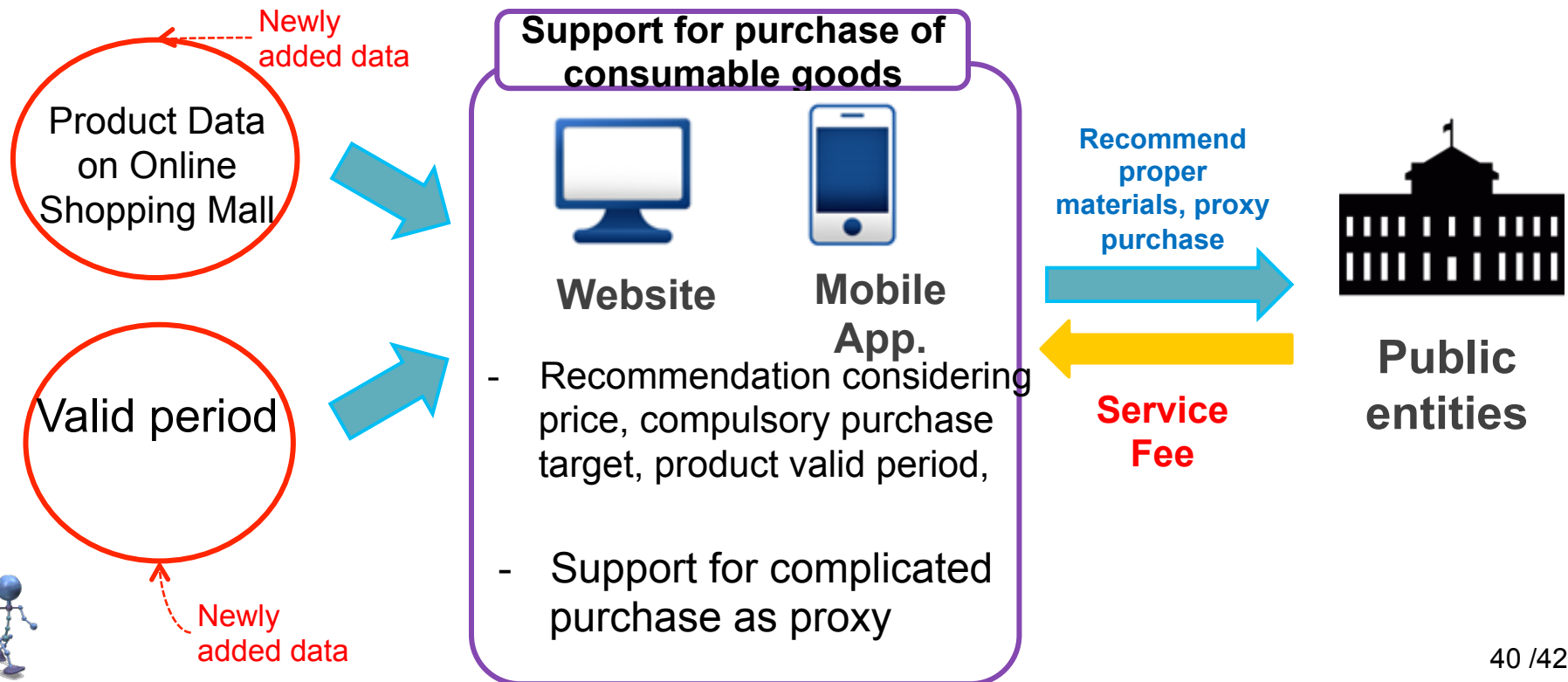


IV. Open API for Procurement Data and Utilization

< Services to be developed in the future 2>

● Purchas support service for consumable materials

Find best materials registered with Online Shopping Mall and conduct proxy purchase



Q&A



Thank you for
listening

