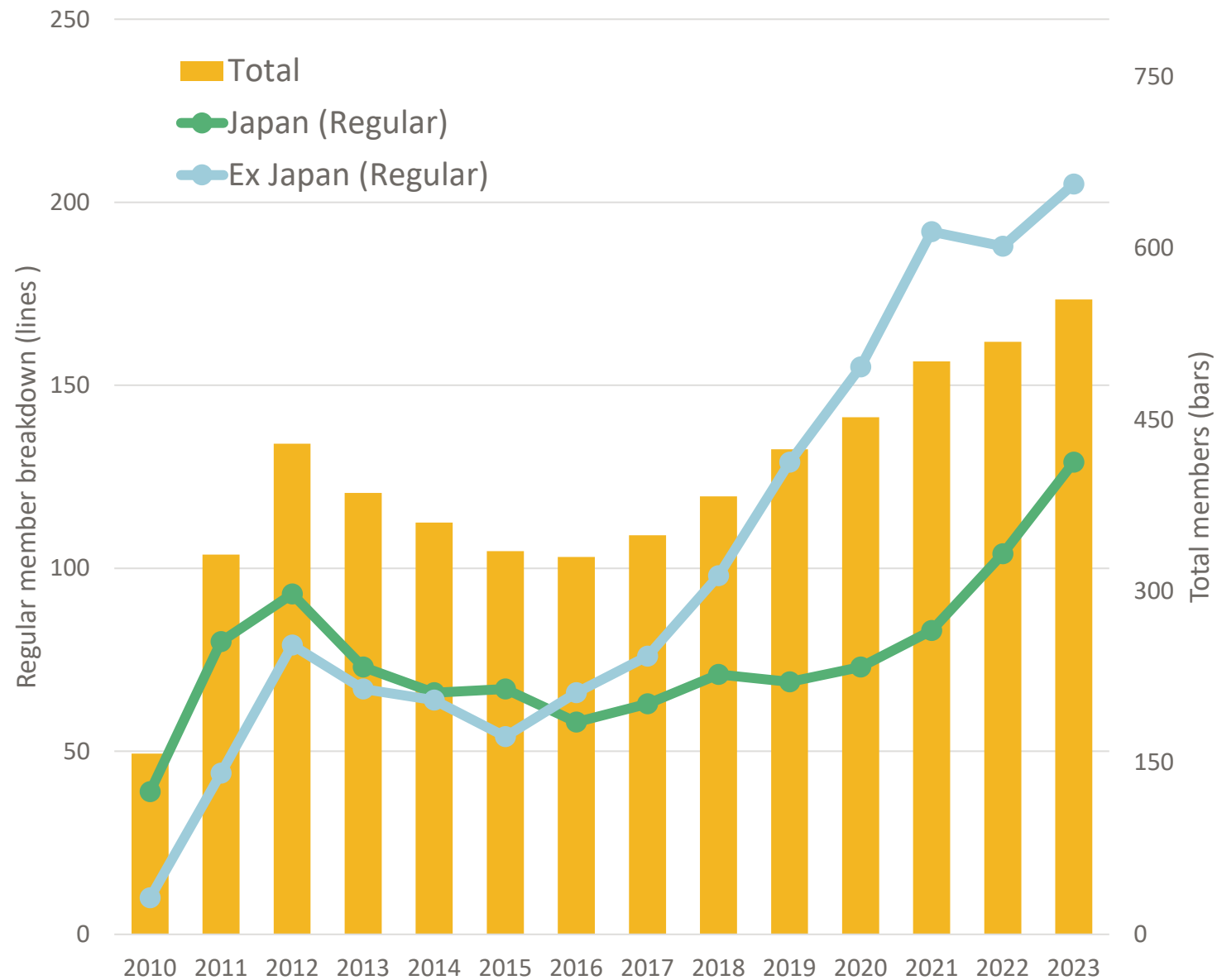




# 会員入退会推移/Member Movement

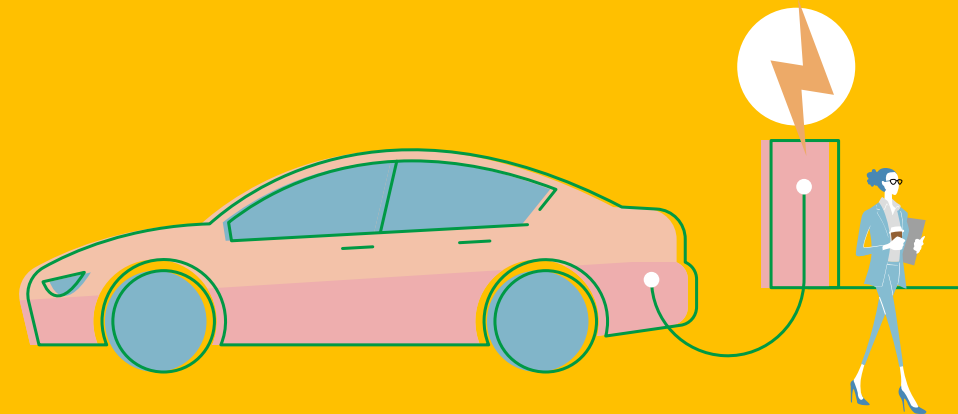
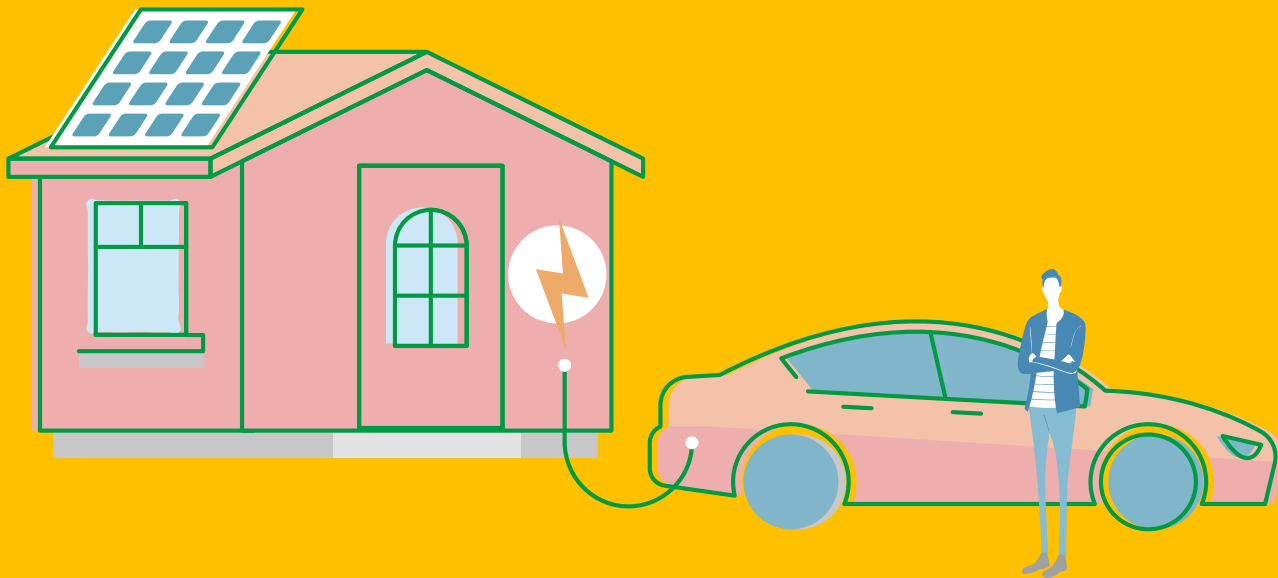


# 2022年活動の総括 / 2022 activity summary

予算執行状況 / Budget execution status

技術部会活動 / Promoting standardisation

整備部会活動 / Infrastructure WG activities

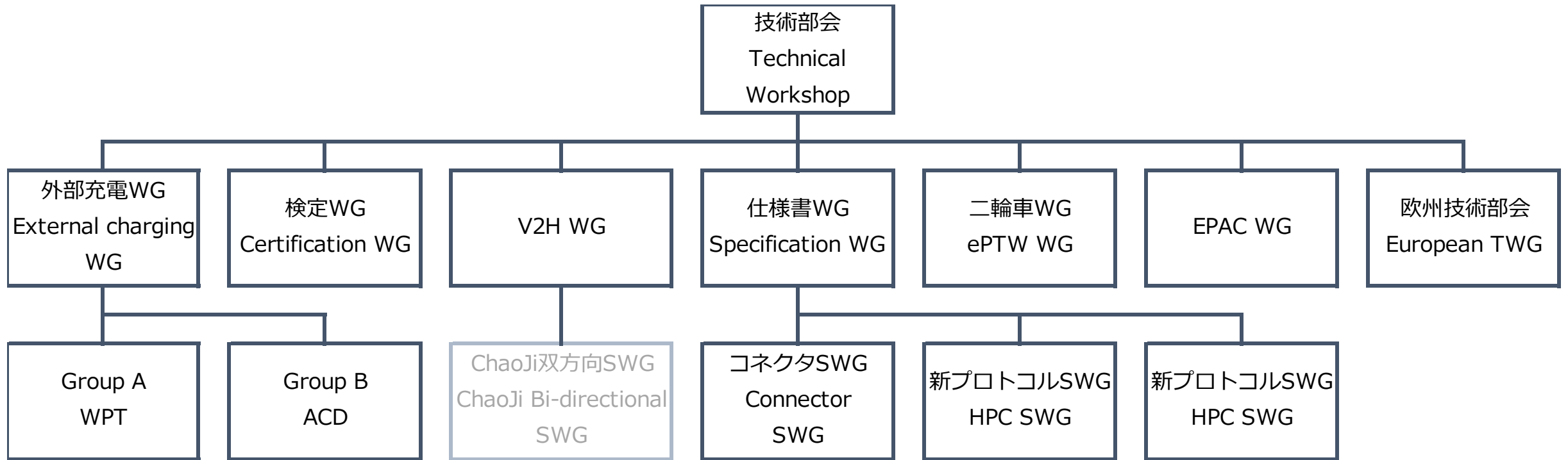


# 2022年度予決算 Budget / Settlement FY2022

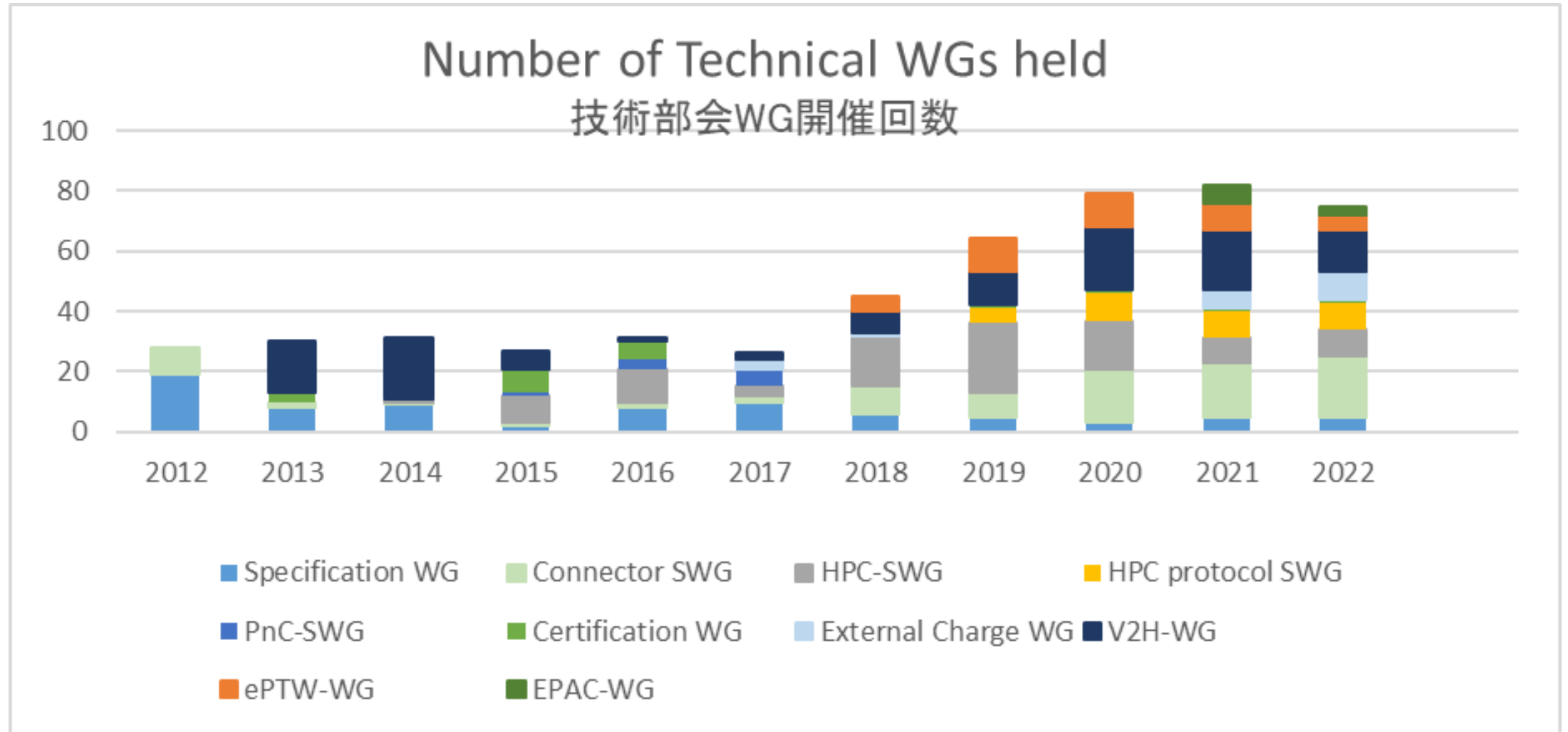
千円 JPY (in thousands)

項目 / Items		予算 / Budget	支出 / Expenditure	備考 / Note
会議費 / Meetings		¥ 1, 000	¥ 925	総会、整備部会のWeb開催 Due to the Virtualization of GA and Infra WG
技術部会開発費 / Technical WG R&D		¥ 120,000	¥78, 089	ChaoJi開発の延期 Due to the postponement of ChaoJi development
出張旅費 / Business Travel		¥ 500	¥ 3, 500	海外出張再開 Resume overseas business trips
事務局運営経費 / Office expenses		¥ 11, 000	¥ 11, 385	
欧州事務所 / EU Office		¥ 30, 000	¥ 29, 318	イベント縮小 Due to event cancellations
外部委託費 / Outsourcings	国際標準化 International standardization	¥ 27, 000	¥ 15, 518	IEEEプロジェクト中断 IEEE project suspend
	税務・法務 Tax and legal affairs	¥ 4, 000	¥ 2, 389	商標更新見直し Trade mark registration renewal related
渉外活動費 / Public relations expenses		¥ 10, 000	¥ 5, 874	アジア諸国への情報発信強化 Strengthening information dissemination to Asian countries
広報 / Advertising		¥ 6, 000	¥ 16, 761	EVS36出展 / EVS36 exhibition
雑費 / Miscellaneous		¥ 1, 000	¥ 973	
総計 / Total		¥ 210, 500	¥ 164, 733	

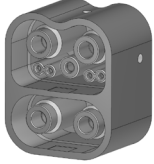




# 技術部会体制 / Technical workshop organisation



# 技術部会WG開催回数 / Number of Technical WGs held



# 大型から小型までのラインナップ° From HDV to low power

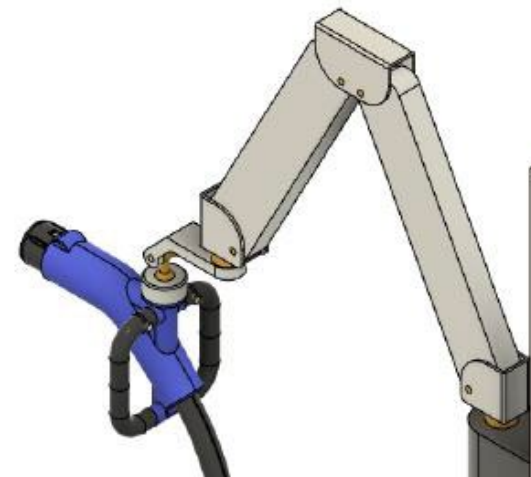
規格 Specification	出力 Power, Voltage	仕様書発行 Issuing specifications
<b>CHAdeMO4.0 (Ultra-ChaoJi)</b> 	<ul style="list-style-type: none"><li>1.8MW</li><li>1500Vmax</li></ul>	Specification draft in progress
<b>CHAdeMO3.0 (ChaoJi)</b> 	<ul style="list-style-type: none"><li>900kW</li><li>1500Vmax</li></ul>	Specifications 3.0.1Amd (ChaoJi type 2) (28 June2022)
<b>CHAdeMO</b> 	<ul style="list-style-type: none"><li>50-150kW</li><li>150-1000V</li></ul>	Standard Specifications 1.2.5, 2.0.2 (30 September 2022) V2H Guideline DC 2.2 (30 November 2022)
<b>e-PTW CHAdeMO</b> 	<ul style="list-style-type: none"><li>1-10kW</li><li>20-120V</li></ul>	e-PTW CHAdeMO Specifications 1.0 (22 February 2022)
<b>EPAC CHAdeMO</b> 	<ul style="list-style-type: none"><li>&lt;800W</li><li>36V nominal / 42V max</li></ul>	Specifications for EPAC ver 1.1 Draft (3 February 2023)





# 外部充電WG / External Charging WG

- 外部充電ガイドライン 1.0 発行(2022/1/26)  
Design Guideline for External Charging ver.1.0 issue
- 自動接続システム「SELFPLUG」をガイドライン2.0に組み込み  
Automatic connection system “SELFPLUG” incorporate  
into next version Guideline
- 操作性を改善するアシストアームの検討  
Examination of assist arm to improve user operation



- 新規格発表 @ Eurobike2022(フランクフルト)  
New standard presentation at Eurobike 2022(Frankfurt)
- 検証用試作充電器と模擬バッテリー製作 2023.03  
Prototype charger / Mock battery for interface verification



- eBike デモ車両製作 2023.05  
eBike Demonstration mockup

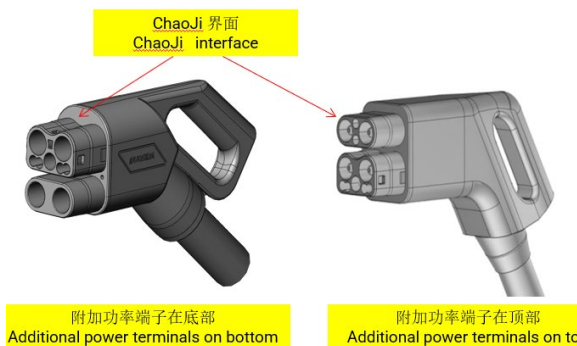


# 日中ChaoJiフォーラム / ChaoJi Sino-Japan technical forum

- 2022年9月21日 オンライン開催  
Online meeting on September 21, 2022
- 日中双方の登壇者 13名  
13 speakers from China and Japan
- Total number of participants 179



ChaoJi



Range	~ 200km
Battery Topology	Multi battery
Battery Capacity	~ 100kWh
Battery Voltage	400V → 800V
Charging Need	Overnight
Charging Type	AC & DC
V2x	Required



Mihama Mikatagoko Sightseeing Boat (2022)



The Japan Ship Technology Research Association (JSTRA) has started to study the domestic standardization of marine charging standards using CHAdeMO.

## 1.2 充电设备 1.2 Charging devices



高压岸电插座箱  
High-voltage shore power socket box



低压岸电插座箱  
Low-voltage shore power socket box



# 合同試験会 / Joint testing event

- 2022年11月7日～11日, @UL伊勢本社  
From 7th to 11th November 2022  
@ UL Ise Headquarters
- 参加者 / Participants  
自動車9社15台: BMW, 現代自, JRL, MBI  
, VW, トヨタ・スバル, 三菱自, 日産自  
充電器 3社: ダイヘン, Zerova, デルタ電子  
計測器・シミュレータ 2社:  
東陽テクニカ, キーサイトテクノロジー  
- EV 15 models from 9 companies: BMW, Hyundai  
, JRL, MBI, VW, Toyota (Subaru), Mitsubishi, Nissan  
Chargers - 3 companies:  
Daihen, Zerova, Delta Electronics  
Measuring instruments/simulators - 2 companies:  
Toyo Technica, Keysight Technologies

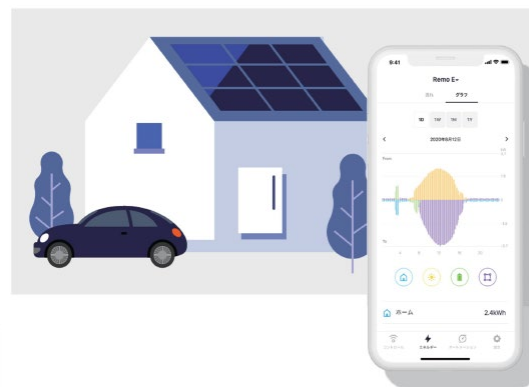


# 整備部会 / Infrastructure Workshop

- 第36回 2022/10/5 参加者 209名  
The 36th meeting 5<sup>th</sup> October, 209 participants
  - 基調講演(姉川会長),  
Keynote speech (President Anegawa)
  - 新車種EVの発表  
Announcement of new model EVs

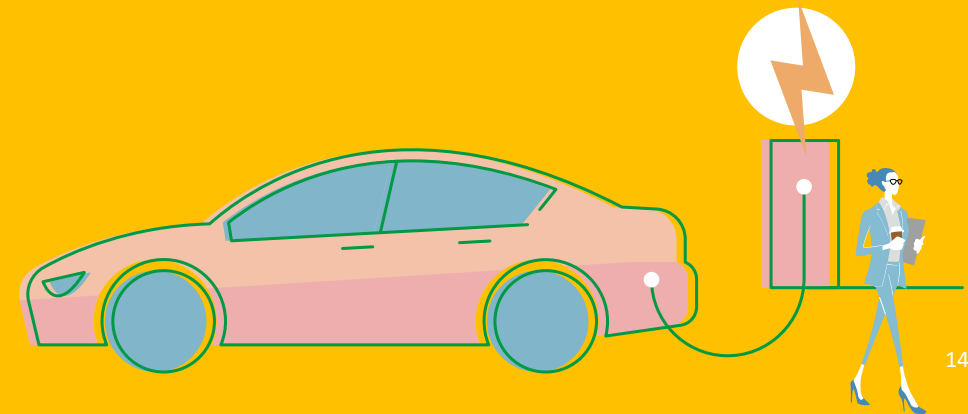
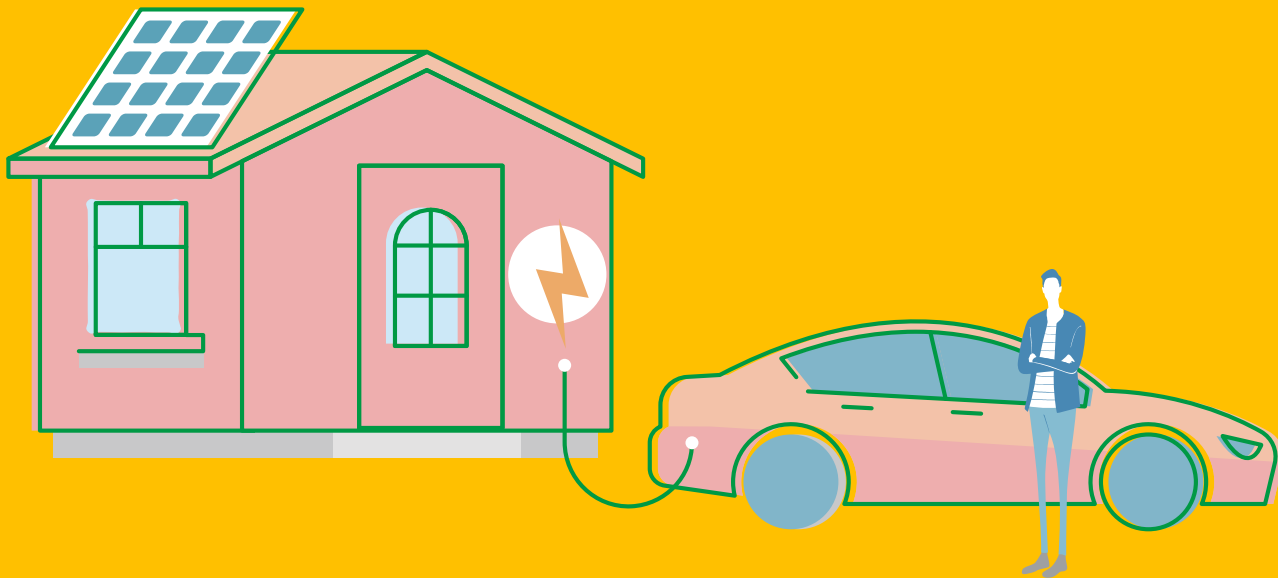


- 第37回 2023/3/28 参加者 190名  
The 37th meeting 28th March, 190 participants
  - ECHONET技術解説  
Technical Explanation of ECHONET
  - V2X機能を使った最新製品の紹介  
Introduction of products using V2X function



# 2023年度 活動方針

## Action Plan 2023



## 持続可能な充電技術を世界に Sustainability & Global Expansion

### 1. 海外市場でのEV普及推進

Promoting the spread of EVs in overseas markets

– アジア市場を重点地域に位置づけ、現地の市場動向を考慮した普及シナリオ・技術提案を行ってまいります。

- We will position the Asian market as a priority region, and will propose diffusion scenarios and technologies that take into account local market trends.

### 2. 充電インフラの品質維持・信頼性向上への取り組み

Activities to maintain quality and improve reliability of charging infrastructure

– 個別機器間の接続試験をする合同試験会の環境整備を行ってまいります。

- We will prepare an environment for a joint test meeting to verify the connection between individual products.

# 2023年度予算案 Budget proposal for FY2023

項目 / Items		2022実績 / Actual	2023予算 / Budget	備考 / Note	千円 JPY (in thousands)
会議費 / Meetings		¥ 925	¥ 4, 000	総会、整備部会の対面開催再開 Face-to-face meetings of GA and Infra workshop resume	
技術部会 / Technical WG		¥78, 089	¥ 60,900	マッチングテストセンター設置 Establish joint test center	
出張旅費 / Business Travel		¥ 3, 500	¥ 5,000		
事務所経費 / Office expenses		¥ 11, 385	¥ 19, 200	事務局3人体制 Secretariat(Tokyo) 3 person	
欧州事務所 / EU Office		¥ 29, 318	¥ 24, 000		
外部委託費 / Outsourcings	国際標準化 International standardization	¥ 15, 518	¥ 18, 000	欧州STF対応、加州事務所コンサル Consultancy for European STF, USA office	
	税務・法務 Tax and legal affairs	¥ 2, 389	¥ 3, 000		
	渉外活動費 Public relations expenses	¥ 5, 874	¥ 10, 000	アジア諸国への情報発信強化 Strengthening information dissemination to Asia	
広報 / Advertising		¥ 16, 761	¥ 12, 000	EVS36出展費用ほか EVS36 exhibit	
雑費 / Miscellaneous		¥ 973	¥ 1, 000		
総計 / Total		¥ 164, 733	¥ 157, 100		



# 技術部会の主な活動計画 / Main activities of Technical Workshop

- 個別機器間の接続試験をする合同試験会の環境整備  
Preparation of an environment for a joint test to verify the connection between individual products.  
予算 1000万円 / Budget 10M yen
- ChaoJi 関連の技術開発・評価試験  
ChaoJi technology development and evaluation test  
予算 1000万円 / Budget 10M yen
- 新規開発技術の試作評価  
Prototype evaluation of new technology  
予算 2600万円 / Budget 16M yen
- ヘルプデスク・CPT保守・会員向け技術サポート  
Help desk / CPT software maintenance / Technical support for members  
予算 1400万円 / Budget 14M yen

# CHAdeMO in EVS36

2023/6/11~14 @Sacramento

- Provider of the CHAdeMO standards, the **world's first DC fast charging protocol** (IEC/EN 61851-23, -24, IEC/EN 62196-3)
- **Only V2G enabled** standard with chargers & EVs available on the market
- **Truly interoperable** supporting from small to large vehicles



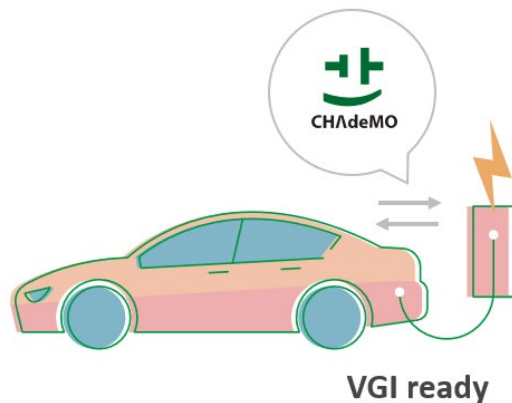
PLENARY

Keynote Session -  
Driving the Transition  
to E-Mobility

TUESDAY, JUNE 13, 2023  
8:00 AM - 9:15 AM  
BALLROOM A1

Interview request : [info@chademo.eu](mailto:info@chademo.eu)

A truly global family of DC standards



CHAdeMO  
@Lecture  
Session



LECTURE SESSIONS

4A - Standardization  
Strategies

TUESDAY, JUNE 13, 2023  
9:45 AM - 11:15 AM  
BALLROOM B3

CHAdeMO will reveal its development work on the non-proprietary DC fast charging standard for e-bike

Come visit the CHAdeMO Stand 408 to learn about the latest or just for a cup of coffee



Merci beaucoup

谢谢

धन्यवाद

Vielen Dank

Dank u wel

ありがとうございました

감사합니다

شكرا لك

Thank you very much

Grazie Tante

Dziękuję bardzo

Muchas gracias

Terima kasih

Спасибо

ขอขอบคุณ

