

# FY2011

## JSPS Postdoctoral Fellowship for Foreign Researcher

Field: **Mathematical and Physical Sciences**

Note:

- Regions and prefectures are listed in right-hand column.
- Scroll down to find map of regions and prefectures.

JSPS Postdoctoral Fellowship for Foreign Researcher  
(FY 2005 Humanities and Social Sciences)

Name (Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
AAKRE, B. M.  NORWAY	Design and Entrepreneurship Education in Japan and Norway	Hokkaido Tokai University  KAWASAKI, Kazuhiko Professor <i>School of International Cultural Relations</i>	Nov. 1, 2005— Feb. 28, 2007	Hokkaido Hokkaido
ABDUL, W.  PAKISTAN	Public Debt Burden and Slow Economic Growth: A Case Study of Severely Indebted Low Income Country	University of Nagoya  EZAKI, Mitsuo Professor <i>Graduate School of International Development</i>	Apr. 1, 2005— Mar. 31, 2007	Chubu Aichi
AKSARTOVA, S.	The Impact of the End of the Cold War on Japan's	Hosei University  MORIMOTO, Nobuyuki Professor <i>School of International Studies</i>	Nov. 1, 2005— Oct. 31, 2006	Kanto Tokyo

Region  
Prefecture

Hokkaido  
Hokkaido

Chubu  
Aichi

Kanto  
Tokyo

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FY 2011 Mathematical and Physical Sciences

Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
BAKER, M. L.  UNITED KINGDOM	Study of spin crossover in nanomagnets by microscopic Hamiltonian with multiple degrees of freedom	Tohoku University NOJIRI, Hiroyuki Professor Institute for Materials Research	Oct. 11, 2011~ Oct. 10, 2013	Tohoku Miyagi
BRONNER, C.  FRANCE	Study of muon neutrinos oscillations with the T2K experiment	Kyoto University NAKAYA, Tsuyoshi Professor Graduate School of Science	Nov. 1, 2011~ Oct. 31, 2013	Kinki Kyoto
BROOKE-TAYLOR, A. D.  UNITED KINGDOM	Large cardinal axioms: relative consistency and cardinal characteristics	Kobe University BRENDLE, Joerg Associate Professor Graduate School of System Informatics	Oct. 11, 2011~ Oct. 10, 2013	Kinki Hyogo
COLLIAUX, D.  FRANCE	Meta-rule formation dynamics in neural systems.	The University of Tokyo KANEKO, Kunihiko Professor Graduate School of Arts and Sciences	Aug. 30, 2011~ Aug. 29, 2013	Kanto Tokyo
DARPO, E. O.  SWEDEN	Structure theory of non-associative simple algebras	Nagoya University IYAMA, Osamu Professor Graduate School of Mathematics	Sep. 20, 2011~ Sep. 19, 2013	Chubu Aichi
DI PROIETTO, V.  ITALY	p-adic differential equations and logarithmic geometry	The University of Tokyo SAITO, Takeshi Professor School of Mathematical Sciences	Nov. 22, 2011~ Nov. 21, 2013	Kanto Tokyo
DUTTA, S.  INDIA	Quantum Transport in Graphene and Related Nanomaterials: Theoretical Perspective	National Institute for Materials Science WAKABAYASHI, Katsunori Senior Researcher International Center for Materials Nanoarchitectonics	Apr. 5, 2011~ Apr. 4, 2013	Kanto Ibaraki
FAN, Q.-H.  CHINA	Molecular geochemistry of chromium: Isotopic fractionation and paleoenvironmental analysis	Hiroshima University TAKAHASHI, Yoshio Professor Graduate School of Science	Nov. 13, 2011~ Nov. 12, 2013	Chugoku Hiroshima

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Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
FEJOS, G. P.  HUNGARY	Application of non-perturbative functional methods in strong interactions	The University of Tokyo HATSUDA, Tetsuo Professor Graduate School of Science	Nov. 29, 2011~ Nov. 28, 2012	Kanto Tokyo
FRIEDRICH, D. D.  GERMANY	Reduction of quantum noise for gravitational wave detectors	The University of Tokyo KAWAMURA, Seiji Professor Institute for Cosmic Ray Research  (Kashiwa Campus)	Nov. 25, 2011~ Nov. 24, 2013	Kanto Chiba
GHOSH, P. K.  INDIA	Modeling charge and energy transfer in natural and artificial photosynthetic reaction centers	RIKEN NORI, Franco Team Leader Digital Materials Team	Sep. 1, 2011~ Aug. 31, 2013	Kanto Saitama
GU, L.  CHINA	Investigation of interactions between the hot plasmas and galaxies in clusters	The University of Tokyo MAKISHIMA, Kazuo Professor Graduate School of Science	May. 9, 2011~ May. 8, 2013	Kanto Tokyo
GUETTLER, C.  GERMANY	Laboratory Experiments on Asteroid Evolution	Kobe University NAKAMURA, Akiko Associate Professor Graduate School of Science	Jul. 1, 2011~ Jun. 30, 2013	Kinki Hyogo
HAJDUSEK, M.  SLOVAKIA	Universality of general graph states	The University of Tokyo MURAO, Mio Associate Professor Graduate School of Science	Oct. 3, 2011~ Oct. 2, 2013	Kanto Tokyo
HOSHINO, R.  CANADA	Graph theory and its applications to scheduling optimization	Research Organization of Information and Systems KAWARABAYASHI, Ken-ichi Professor Principles of Informatics Research Division	Nov. 1, 2011~ Oct. 31, 2013	Kanto Tokyo
HUANG, X.  CHINA	Global structures of solutions with vacuum for the equations of compressible viscous fluid	Osaka University MATSUMURA, Akitaka Professor Graduate School of Information Science and Technology	Nov. 15, 2011~ Nov. 14, 2013	Kinki Osaka

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Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
JIA, J.  CHINA	Quest for the dynamical origin of mass and electroweak symmetry breaking	Nagoya University YAMAWAKI, Koichi Designated Professor Institute for the Origin of Particles and the Universe	Oct. 13, 2011~ Oct. 12, 2013	Chubu Aichi
JOHANSSON, R. J.  SWEDEN	Quantum electrodynamics of artificial atoms and transmission lines in superconducting circuits	RIKEN NORI, Franco Team Leader Digital Materials Team	Sep. 1, 2011~ Aug. 31, 2013	Kanto Saitama
KAKAD, A. P.  INDIA	Generation Mechanism of Electrostatic Coherent Structures and Associated Plasma Heating Processes	Kyoto University OMURA, Yoshiharu Professor Research Institute for Sustainable Humanosphere	Sep. 5, 2011~ Sep. 4, 2013	Kinki Kyoto
LEE, J. S.  AUSTRALIA	A study of Standard Model backgrounds to new physics in the LHC with b-tagging.	Osaka University HANAGAKI, Kazunori Associate Professor Graduate School of Science	Aug. 3, 2011~ Aug. 2, 2013	Kinki Osaka
LEE, H.-G.  KOREA (REP. OF KOREA)	An infrared study of young core-collapse supernova remnants	The University of Tokyo ONAKA, Takashi Professor Graduate School of Science	Nov. 29, 2011~ Nov. 28, 2013	Kanto Tokyo
LI, L.  CHINA	Molecular phylogeny, genetic diversity and biogeography of radiolarians from the Pacific Ocean	The University of Tokyo ENDO, Kazuyoshi Professor School of Science	Aug. 15, 2011~ Aug. 14, 2013	Kanto Tokyo
LI, P.  CHINA	Quantum cohomology of flag manifolds and integrable systems	Tokyo Metropolitan University MARTIN, Guest Professor Graduate School of Science and Engineering	Oct. 25, 2011~ Oct. 24, 2013	Kanto Tokyo
MACINNES, B. T.  U.S.A.	Research on predicting a tsunami's nearfield impact by evaluating effects of slip distributions	Hokkaido University TANIOKA, Yuichiro Professor Faculty of Science	Nov. 4, 2011~ Nov. 3, 2013	Hokkaido Hokkaido

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Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
MALEK, K. E.  POLAND	Study on the origin of dust radiation of far-infrared (FIR) luminous galaxies.	Nagoya University TAKEUCHI, Tsutomu Associate Professor Division of Particle and Astrophysical Science, Graduate School of Science	Nov. 16, 2011~ Nov. 15, 2013	Chubu Aichi
MARZUKI  INDONESIA	Land-ocean contrasts in cloud microstructure over the Indonesian region	Kyoto University HASHIGUCHI, Hiroyuki Associate Professor Research Institute for Sustainable Humanosphere	Jun. 13, 2011~ Jun. 12, 2013	Kinki Kyoto
MKOMA, S. L.  TANZANIA	Molecular composition and stable carbon isotopic composition of organic aerosols from East Africa	Hokkaido University KAWAMURA, Kimitaka Professor Institute of Low Temperature Science	Sep. 2, 2011~ Sep. 1, 2013	Hokkaido Hokkaido
MURTAGH, D.  UNITED KINGDOM	Trapping of Antihydrogen	RIKEN YAMAZAKI, Yasunori Distinguished Senior Scientist Advanced Science Institute	Sep. 15, 2011~ Jan. 31, 2012	Kanto Saitama
NATION, P. D.  U.S.A.	Analogue Cosmology in Superconducting Circuits	RIKEN NORI, Franco Team Leader Digital Materials Team	Apr. 1, 2011~ Mar. 31, 2013	Kanto Saitama
NOT, C. A.  FRANCE	Reconstructing the past environmental change using trace elements and isotopes	The University of Tokyo YOKOYAMA, Yusuke Associate Professor Atmosphere and Ocean Research Institute  (Kashiwa Campus)	Apr. 12, 2011~ Apr. 11, 2013	Kanto Chiba
NUCCIO MORTARINO MAJNO DI CAPRIGLIO, F. A.  ITALY	Generalized Iwasawa theory	Osaka University OCHIAI, Tadashi Associate Professor Department of Mathematics, Graduate School of Sciences	Nov. 1, 2011~ Oct. 31, 2013	Kinki Osaka
O'FARRELL, E. C.  IRELAND	Novel quantum criticality in a strongly correlated electron system	The University of Tokyo NAKATSUJI, Satoru Associate Professor Institute for Solid State Physics  (Kashiwa Campus)	Apr. 1, 2011~ Mar. 31, 2013	Kanto Chiba

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Name(Nationality)	Research Subject	Host Institute Host Researcher	Period	Region Prefecture
PARK, E.  KOREA (REP. OF KOREA)	Research on representation theory of Khovanov–Lauda–Rouquier algebras	Osaka University ARIKI, Susumu Professor Graduate School of Information Science and Technology	Sep. 1, 2011～ Aug. 31, 2013	Kinki Osaka
PRUDENZIATI, A.  ITALY	Topics in topological string theory: dualities, connections with superstring theory, applications.	Kyoto University EGUCHI, Tohru Professor Yukawa Institute for Theoretical Physics	Oct. 21, 2011～ Oct. 20, 2013	Kinki Kyoto
RAGHAVAN, D.  INDIA	Iterated forcing and set theory of the continuum	Kobe University BRENDLE, Joerg Associate Professor Graduate School of System Informatics	Jul. 9, 2011～ Jul. 8, 2013	Kinki Hyogo
RODRIGUEZ GARCIA, Y.  COLOMBIA	Beyond Standard Cosmological Inflationary Models	Kyoto University SASAKI, Misao professor Yukawa Institute for Theoretical Physics	Nov. 30, 2011～ Dec. 20, 2011	Kinki Kyoto
ROSSMAN, B. E.  U.S.A.	New Approach for Investigating Computational Complexity of Combinatorial Problems	Tokyo Institute of Technology WATANABE, Osamu Professor Graduate School of Information Science and Engineering	Oct. 1, 2011～ Sep. 30, 2013	Kanto Tokyo
ROULLEAU, E.  FRANCE	Comparative Study on submarine and subaerial hydrothermal system by nobles gas and volatiles.	The University of Tokyo SANO, Yuji Professor Atmosphere and Ocean Research Institute  (Kashiwa Campus)	Jun. 23, 2011～ Jun. 22, 2013	Kanto Chiba
ROY, T. C.  FRANCE	Super-critical global analysis of nonlinear wave equations	Kyoto University NAKANISHI, Kenji Associate Professor Graduate School of Science	Aug. 3, 2011～ Aug. 2, 2013	Kinki Kyoto
RUSSO, J.  ITALY	Role of structural heterogeneities in the crystallization of supercooled liquids and glasses	The University of Tokyo TANAKA, Hajime Professor Institute of Industrial Science	Nov. 30, 2011～ Nov. 29, 2013	Kanto Tokyo

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SAMYN, D.  BELGIUM	Studies on the texture evolution processes in polar ice sheets	Nagaoka University of Technology AZUMA, Nobuhiko Professor Faculty of Engineering	Sep. 30, 2011~ Sep. 29, 2013	Chubu Niigata
SILANTYEV, A.  RUSSIA FEDERATION	Algebraic and geometric structures in relation with quantum Calogero-Moser systems	The University of Tokyo SHIRAISHI, Junichi Associate Professor Graduate School of Mathematical Sciences	Nov. 2, 2011~ Nov. 1, 2013	Kanto Tokyo
SODERSTROM, P.-A.  SWEDEN	Decay spectroscopy of neutron-rich rare-earth nuclei	RIKEN SAKURAI, Hiroyoshi Chief Scientist Nishina Center for Accelerator-Based Science	Oct. 18, 2011~ Oct. 17, 2013	Kanto Saitama
WOOD, S. J.  SWITZERLAND	The interplay between log CFT, VOAs and quantum groups in both mathematics and physics.	The University of Tokyo TSUCHIYA, Akihiro Project Professor Institute for the Physics and Mathematics of the Universe  (Kashiwa Campus)	Nov. 30, 2011~ Nov. 29, 2013	Kanto Chiba
XU, Z. F.  CHINA	Orbital physics in spinor quantum gases	The University of Tokyo UEDA, Masahito Professor Graduate School of Science	Nov. 1, 2011~ Oct. 31, 2013	Kanto Tokyo
YUNINGSIH, E. T.  INDONESIA	Genesis of Se- and Te-types mineralizations in the epithermal Au-Ag deposits of Indonesia and Japan	Hokkaido University MATSUEDA, Hiroharu (Specially Appointed) Professor The Hokkaido University Museum	Oct. 3, 2011~ Oct. 2, 2013	Hokkaido Hokkaido
ZHANG, A.  CHINA	Origin and Significance of P,O-rich Sulfide in CM Chondrites.	Hokkaido University YURIMOTO, Hisayoshi professor Faculty of Sciences	Jul. 2, 2011~ Jul. 1, 2013	Hokkaido Hokkaido

# Regions

Hokkaido

Tohoku

Chubu

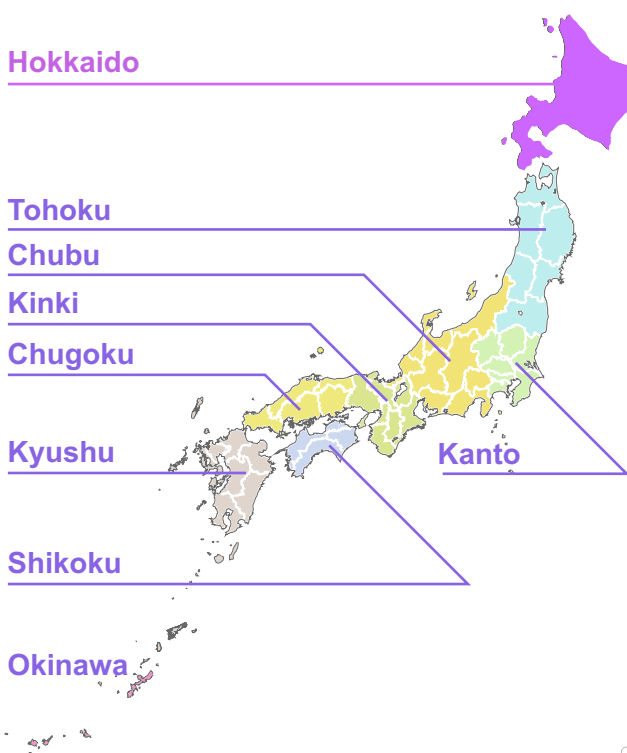
Kinki

Chugoku

Kyushu

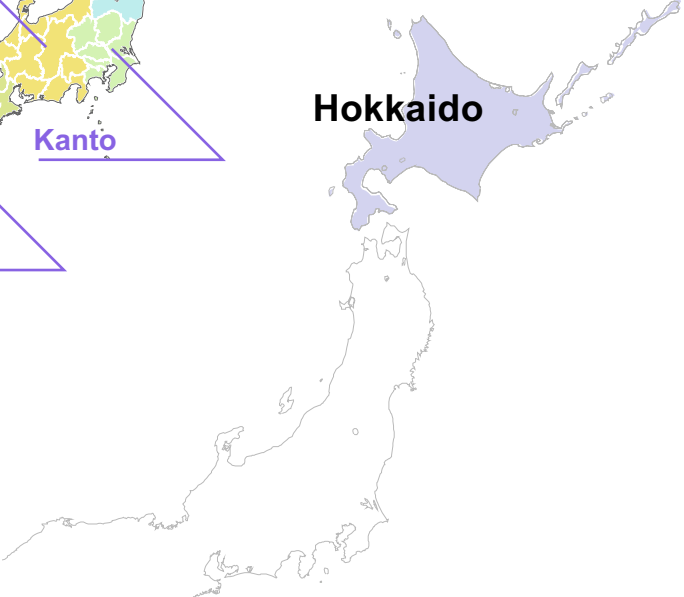
Shikoku

Okinawa



# Prefectures

Hokkaido



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

Kanto

# Prefectures

Aomori

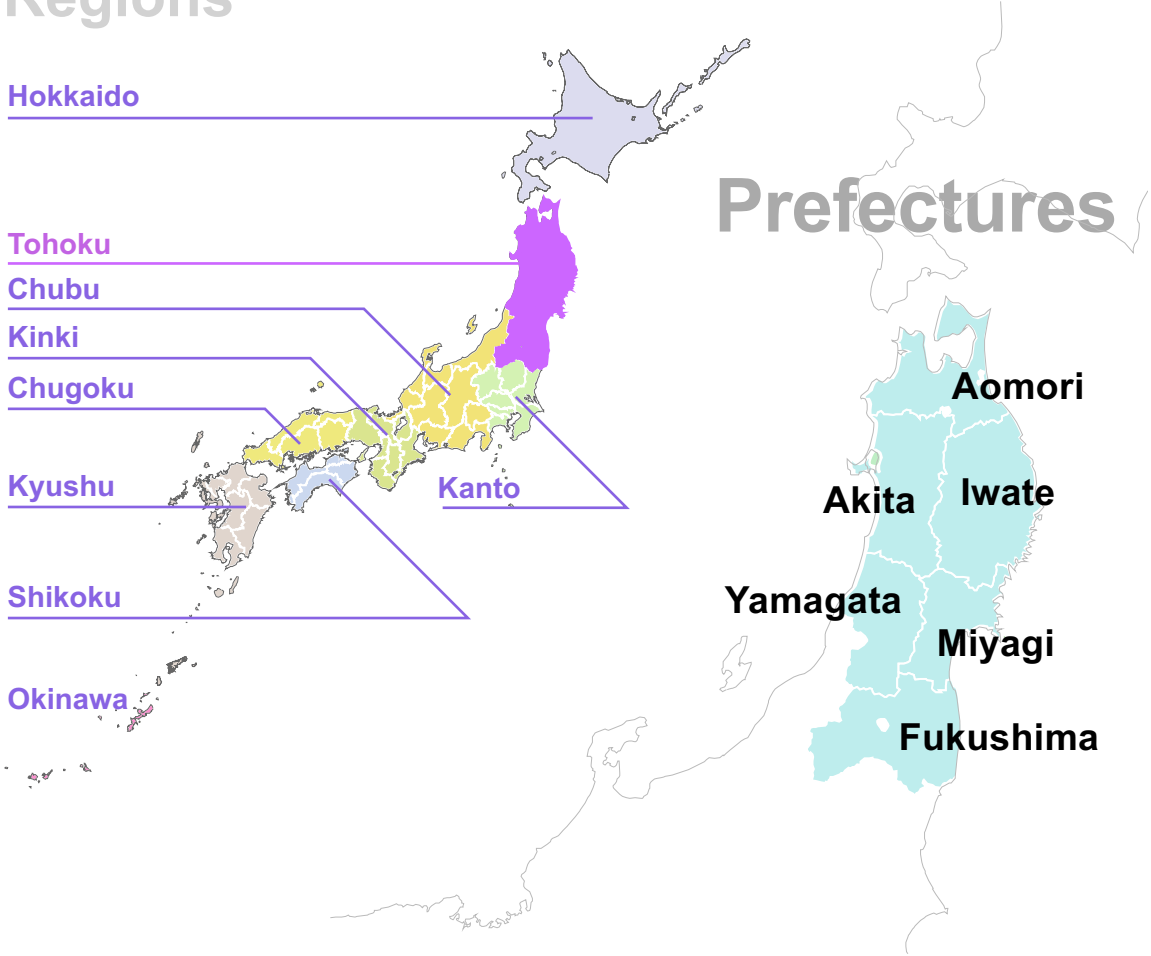
Akita

Iwate

Yamagata

Miyagi

Fukushima



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

Kanto

# Prefectures

Gunma

Tochigi

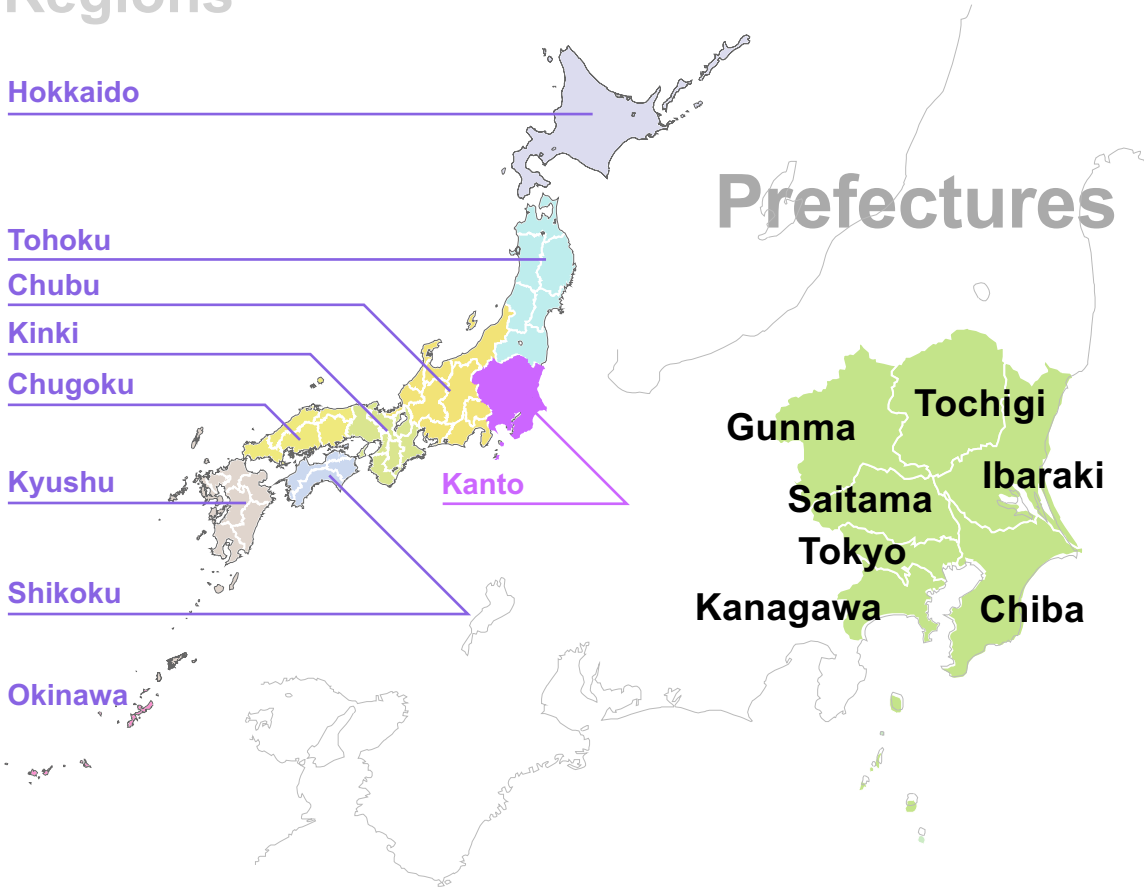
Saitama

Ibaraki

Tokyo

Kanagawa

Chiba



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

Kanto

# Prefectures

Toyama

Niigata

Ishikawa

Nagano

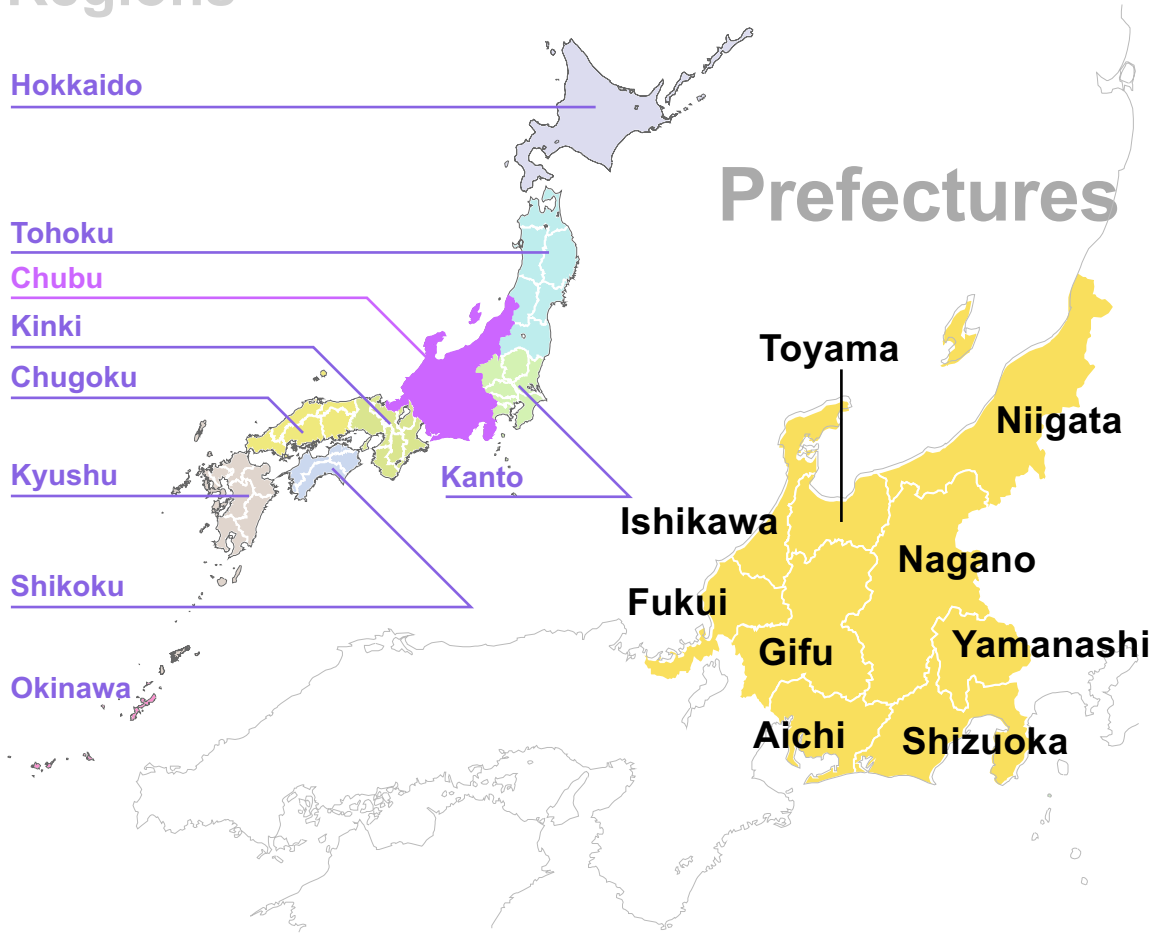
Fukui

Yamanashi

Gifu

Aichi

Shizuoka



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

Kanto

# Prefectures

Kyoto

Shiga

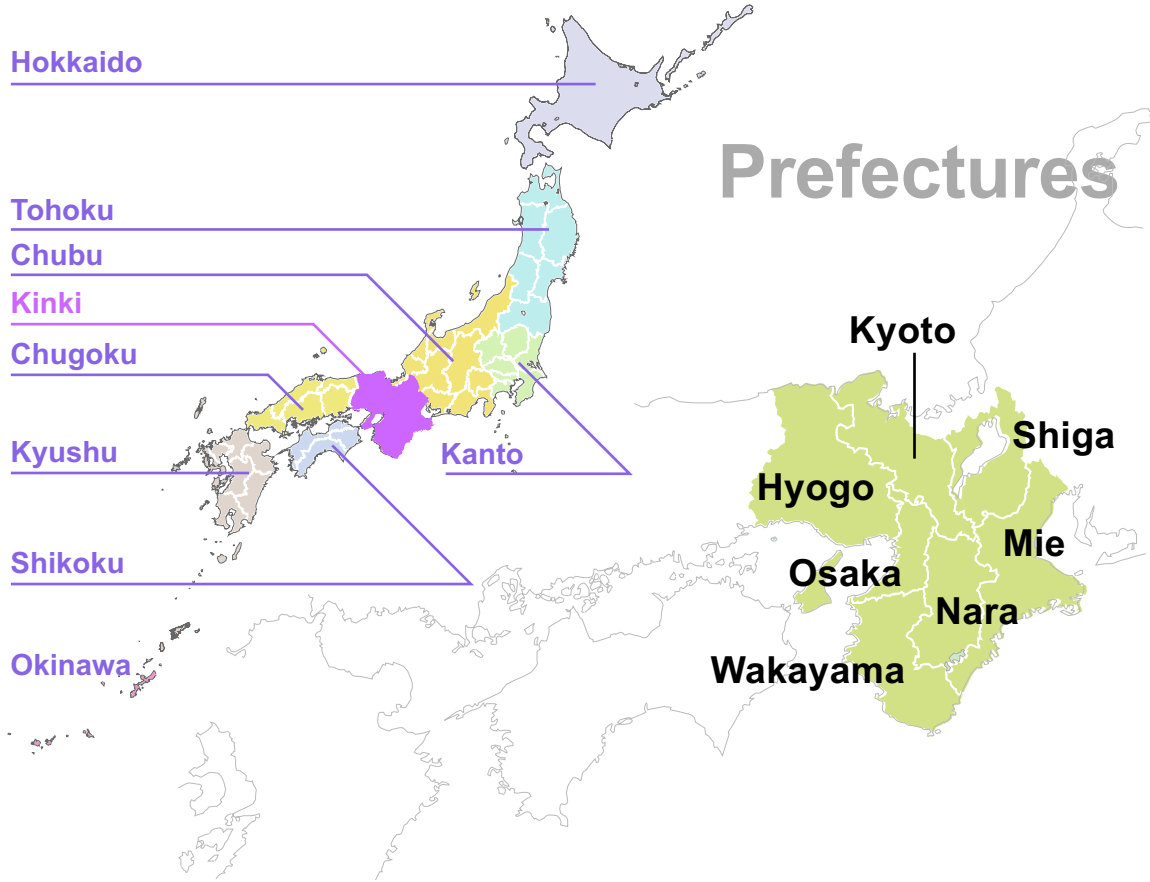
Hyogo

Mie

Osaka

Nara

Wakayama



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

Kanto

# Prefectures

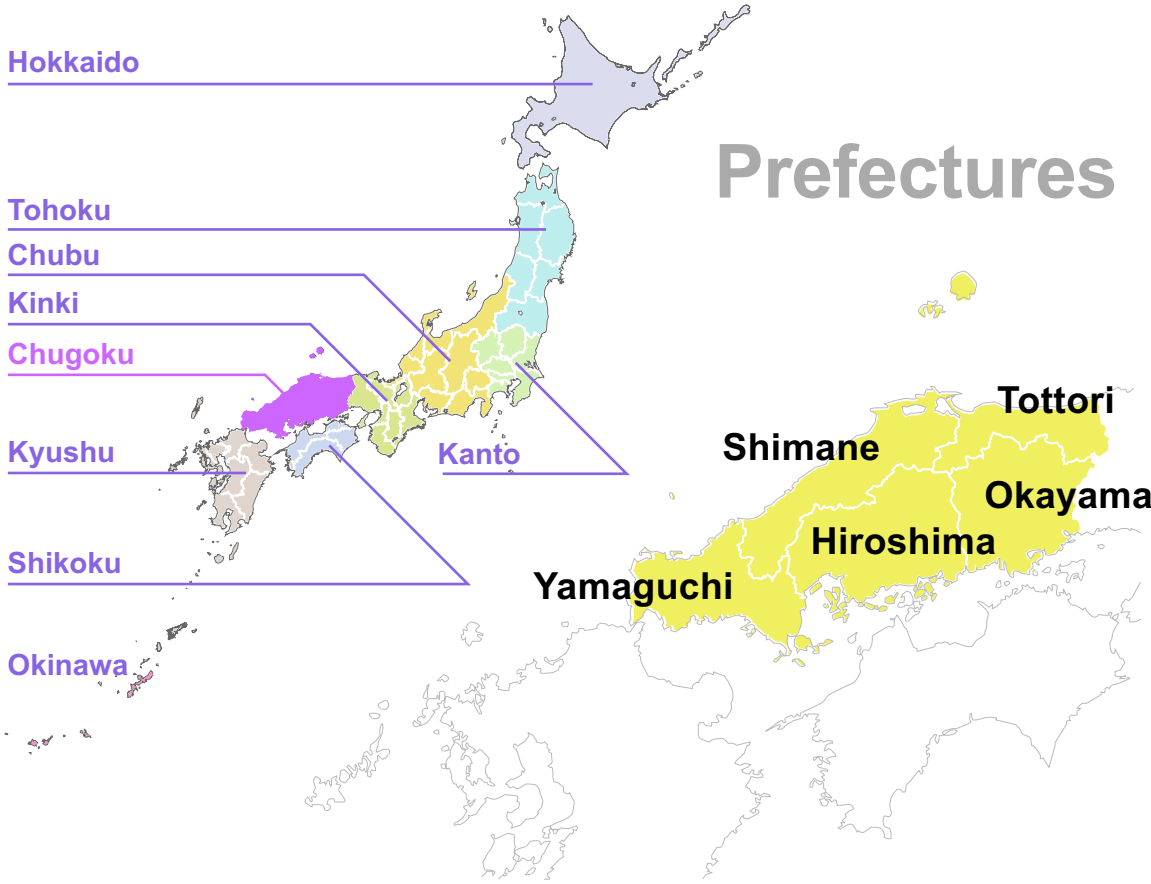
Shimane

Tottori

Okayama

Hiroshima

Yamaguchi



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

Kanto

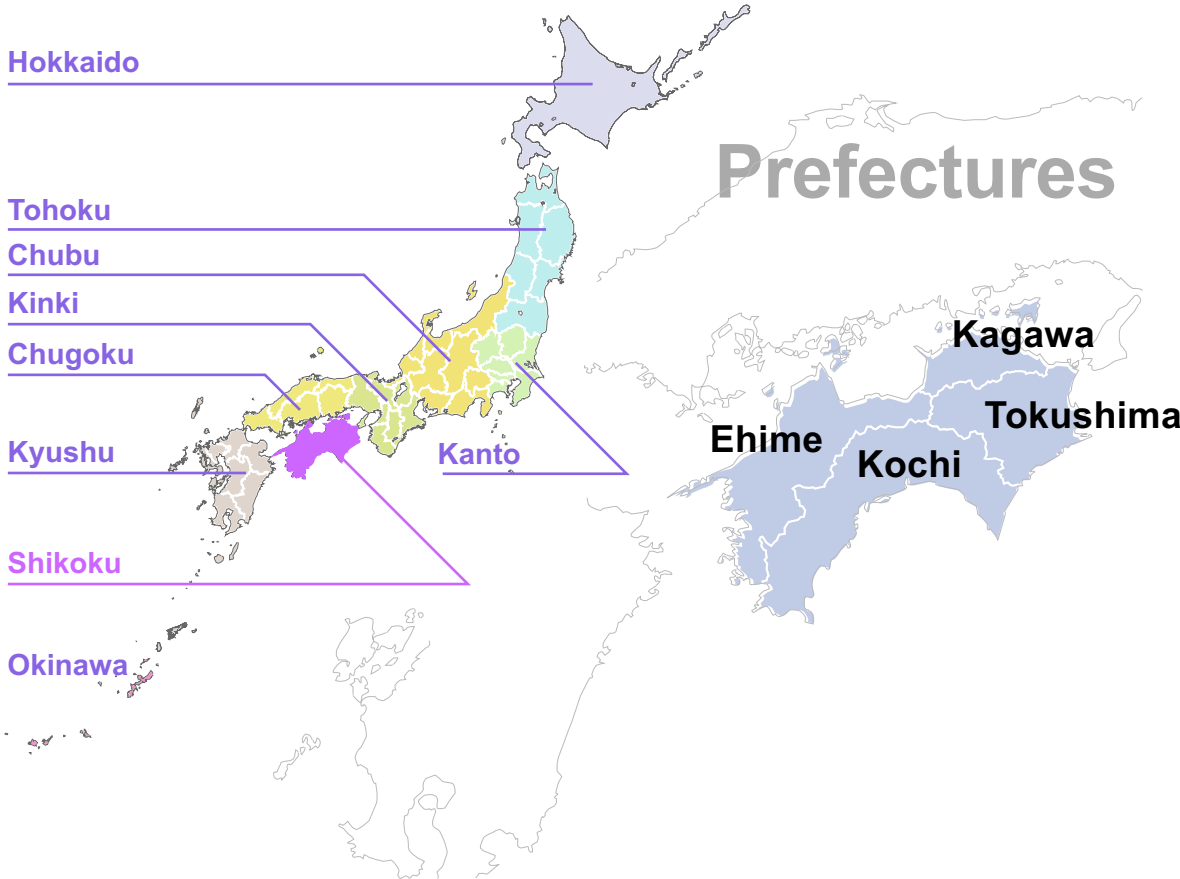
# Prefectures

Kagawa

Ehime

Kochi

Tokushima



# Regions

Hokkaido

Tohoku

Chubu

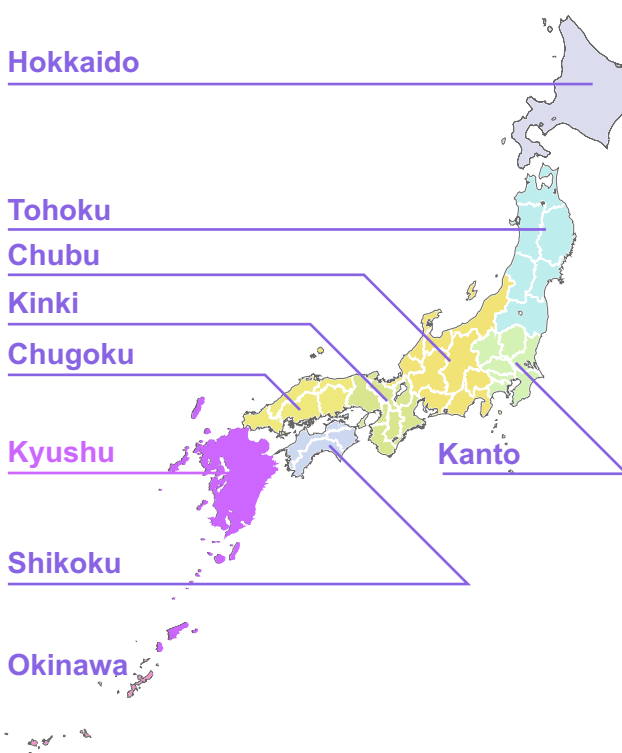
Kinki

Chugoku

Kyushu

Shikoku

Okinawa



# Prefectures

Saga

Fukuoka

Oita

Nagasaki

Kumamoto

Miyazaki

Kagoshima



# Regions

Hokkaido

Tohoku

Chubu

Kinki

Chugoku

Kyushu

Shikoku

Okinawa

# Prefectures

Okinawa

