



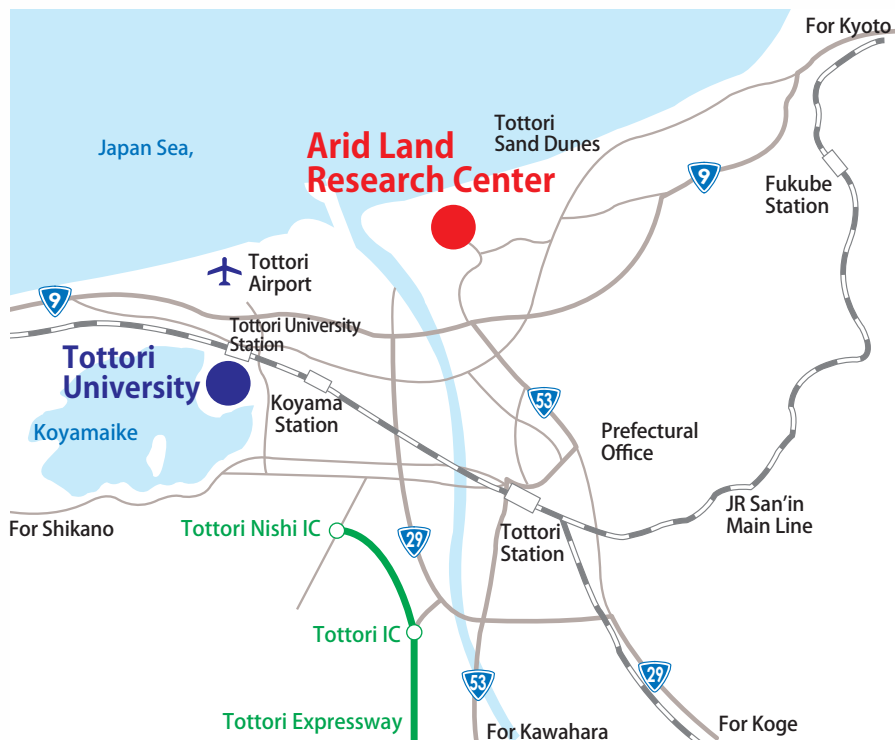
**Joint Usage / Research Center
Ministry of Education, Culture,
Sports, Science and Technology**

Arid Land Research Center Tottori University



Access

- **Bus** About 20 minutes on foot from Hamasaka Elementary School bus stop, on the route from Tottori Station Bus Terminal to "Juropponmatsu"
- **Taxi** About 20 minutes from Tottori Station.
About 15 minutes from the airport / university main campus.



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Tottori Kanchiken Club

Tottori Kanchiken Club is a community-based organization which supports ALRC's operations disseminating the information about the activities and research outcomes of ALRC.

Anyone is welcome to join Tottori Kanchiken Club at any time. For details, please contact the Tottori Kanchiken Club Office.

What is the Arid Land Research Center?

It is the only research institute in Japan to work exclusively on arid land research

"Arid Land Research Center", which is Japan's only scientific institution working on arid land research, was founded in 1990 as a Joint Usage/Research Institute accredited by the then Ministry of Education. Currently, it is engaged in the following tasks not only as one of Tottori University's research facilities but also as a "Joint Usage/Research Center" for collaborative research on arid lands with researchers from Japan and overseas universities and research institutes.

- **Implementation of research that will contribute to the solution of various issues such as desertification and drought in arid lands as well as to the conservation of nature and improvement of people sustainability.**
- **Expansion of researchers' community by forming international academic network.**
- **Storage and utilization of databases and specimens of drought-tolerant plants, etc.**
- **Human resource development of young researchers**

Three reasons why arid land studies are necessary

1. Researchers from all over the world are confronting global issues. As a member of the international community, Japan, which has ratified the Convention to Combat Desertification, has a role to play.
2. Desertification also directly affects Japan across national borders. As a typical example, Asian dust reaches Japan every spring. There is a need for the research to reduce Asian dust and PM 2.5 impacts and damages.
3. Globalization of economy connects Japan with the rest of the world. For example, most of the wheat and corn imported to Japan are produced in arid lands.

ALRC, wishing for world peace and sustainable development, will be engaged in arid land studies as the core institute of Japan.



Founded as the “Sand Dune Research Institute”

The Arid Land Research Center, Tottori University, was founded as the “Sand Dune Research Institute of the Faculty of Agriculture, Tottori University” for research on agricultural use and development of sand dunes. Its history began with the study of afforestation for erosion control conducted at the Koyama Dunes Test Site in 1923. The method of afforestation for erosion control invented there was utilized nationwide and played a major role in stabilizing the sand at the dunes. The facility was equipped with the first sprinklers in Japan. The research on the agricultural use of Hamasaka Dunes started with the former Ministry of Education's approval of the research facility establishment in 1958. Since then, the Institute has been conducting research closely related to the development of local sand dunes agriculture in specialized fields such as prevention of drying of sand (irrigation), introduction of crops and mechanization. Desertification became a global issue after droughts started to occur in the Sahel region of Africa in the middle of 1960s. So, in 1973, the Institute expanded its preexisting research activities to the agricultural use of arid lands. After that, with the completion of its commitment to sand dune agriculture, in 1990 the Institute was renamed "Arid Land Research Center (ALRC)" and shifted its research focus on arid lands, aiming to contribute to such an important planetary issue.



《 History 》

- 1923: The Koyama Dunes Test Site was founded at Tottori Higher Agricultural School (Faculty of Agriculture, Tottori University of today) where the research on afforestation for erosion control was started.
- 1958: Establishment of "Sand Dune Research Institute, Faculty of Agriculture, Tottori University" was approved by the former Ministry of Education, and the Department of Agriculture was established.
- 1973: "Studies on Prevention of Desertification and Agricultural Use of Arid Areas" was added to the existing research subject "Studies on Agricultural Use of Sand Dunes".
- 1978: Collaborative studies on arid lands with researchers of other universities started.
- 1990: Reorganized as the Arid Land Research Center (ALRC), Tottori University, as one of the Joint Usage/Research Centers.
- 2009: Accredited as a Joint Usage/Research Site. FY 2010 - 2015 (6 years)



Barracks Research Building, circa 1960



Main Building of the Center, circa 1965