Introduction

radR is a **user-supported**, **open source** project which aims to improve and broaden the use of radars in biological research, by providing a convenient reference platform for:

- generating, visualizing, and sharing **feature-level datasets** from raw radar data
- developing, testing and publishing new algorithms
- evaluating and comparing radar hardware

radR is **hardware neutral** - it interacts with proprietary radar digitization cards via their client libraries

radR uses **straightforward documented statistical techniques** for all processing steps

radR is **multiplatform -** with versions for Windows and Linux operating systems

radR uses **a portable GUI** - the interface is coded in R using the tcl/tk package

radR offers **separation of GUI and data processing** - the graphical interface layer is cleanly separated from the processing layer, allowing for batch processing

radR is **not a replacement for commercial real-time software**

radR is **not a free-standing program -** it is a layer atop the [R](#) statistical programming package, which provides a rich extension language and a broad spectrum of statistical tools

radR is **not vendor-specific -** we aim to support the user's choice of hardware

radR **will not solve all of your data problems** out-of-the-box - it is meant to make it easier for you to reproduce other people's methods and to develop your own

Please do not use radR for navigation or air traffic control!

Visit [Radar concepts, as understood by radR](#) to learn more about basic radar concepts.

For new users, visit [FAQ](#) to get started.