



Incident History Database (IHDB)

SAR Controllers Training 2017

28 Feb - 2 March 2017

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Chief USMCC

ERT, Inc.





What is the IHDB?

- The Incident History Database (IHDB)
 - Contains records for beacon activations in the US service area
 - Records are created when sites close (beacon stops transmitting)
 - Records are:
 - Populated by US RCC Controllers
 - Populated by USMCC Controllers (for SPOCs)
 - Checked by USMCC Controllers and USMCC operations staff
 - Is maintained by NOAA
 - Is the historical record of “why” a beacon activated



Who Uses the Information in the IHDB?

Resource for:

- RCC Controllers for previous activation history
- NOAA reporting (daily, weekly, quarterly, and annually)
- Annual report to COSPAS-SARSAT
- US Coast Guard and the US Air Force for reports
- Continuous research
 - Beacon reliability – Reported to Beacon Manufacturer's Workshop
 - Repeat offenders data
 - RGDB accuracy
 - more



Access to the IHDB

- Request new accounts through:
 - For AFRCC/AKRCC
 - Dan Conley, AFRCC SAR Duty Officer
Danny.Conley@tyndall.af.mil
 - For USCG
 - LCDR Aaron Ortenzio, SARSAT Liaison Officer
Aaron.J.Ortenzio@uscg.mil
- Passwords can be reset by the USMCC Controller



IHDB False Alert Reason

- Beacon Mishandling
- Beacon Malfunction
- Mounting Failure
- Environmental Conditions
- Unknown



IHDB False Alert Reason

- Beacon Mishandling
 - False Alert – Mishandling – Installation
 - Exposed to sea action or ship's work, equipment struck beacon, **improperly placing beacon in bracket.**



IHDB False Alert Reason

- Beacon Mishandling
 - False Alert – Mishandling – Installation
 - False Alert – Mishandling – Testing/Maintenance
 - Failure to follow proper testing procedures
 - Repair by owner or service center causing activation.
 - Improper removal from bracket while testing, cleaning.
 - Beacon shipped while armed and activated.
 - Maintenance of craft, wash down, winterization, painting
 - Beacon stored improperly



IHDB False Alert Reason

- Beacon Mishandling
 - False Alert – Mishandling – Installation
 - False Alert – Mishandling – Testing
 - False Alert – Usage
 - Illegal activation: hoax, vandalism, theft
 - Accidental activation: reported, NFI
 - Demonstrated / test not co-ordinated.



IHDB False Alert Reason

- Beacon Mishandling
 - False Alert – Mishandling – Installation
 - False Alert – Mishandling – Testing
 - False Alert – Mishandling – Usage
 - False Alert – Mishandling – Disposal
 - Beacon discarded as trash, abandoned.



IHDB False Alert Reason

- Beacon Malfunction
 - False Alert – Malfunction – Switch
 - Switch broken



IHDB False Alert Reason

- Beacon Malfunction
 - False Alert – Malfunction – Switch
 - False Alert – Malfunction – Water Intrusion
 - Water leakage due to manufacturing defect, cracked casing, faulty seal.
 - **Not exterior of beacon getting wet.**



IHDB False Alert Reason

- Beacon Malfunction
 - False Alert – Malfunction – Switch
 - False Alert – Malfunction – Water Intrusion
 - False Alert – Malfunction – Test
 - Transmitted non-inverted frame (?)



IHDB False Alert Reason

- Beacon Malfunction
 - False Alert – Malfunction – Switch
 - False Alert – Malfunction – Water Intrusion
 - False Alert – Malfunction – Test
 - False Alert – Malfunction – Electronics
 - Electronics malfunction
 - Non-GPS electronics malfunction



IHDB False Alert Reason

- Mounting Failure
 - False Alert – Mounting – Bracket
 - Strap or bracket failure
 - Beacon fell out of bracket



IHDB False Alert Reason

- Mounting Failure
 - False Alert – Mounting – Bracket
 - False Alert – Mounting – Mounting Release
 - Hydrostatic release failure (?)



IHDB False Alert Reason

- Mounting Failure
 - False Alert – Mounting – Bracket
 - False Alert – Mounting – Mounting Release
 - False Alert – Mounting – Magnet
 - Switch magnet not effective or missing.



IHDB False Alert Reason

- Environment Conditions
 - False Alert – environmental Conditions
 - Extreme Weather conditions (?)
 - Hurricane / cyclone conditions, vsi knocked down, heavy seas, ice build-up. (?)

False Alert - Environmental Conditions - NO



False Alert - Environmental Conditions - YES





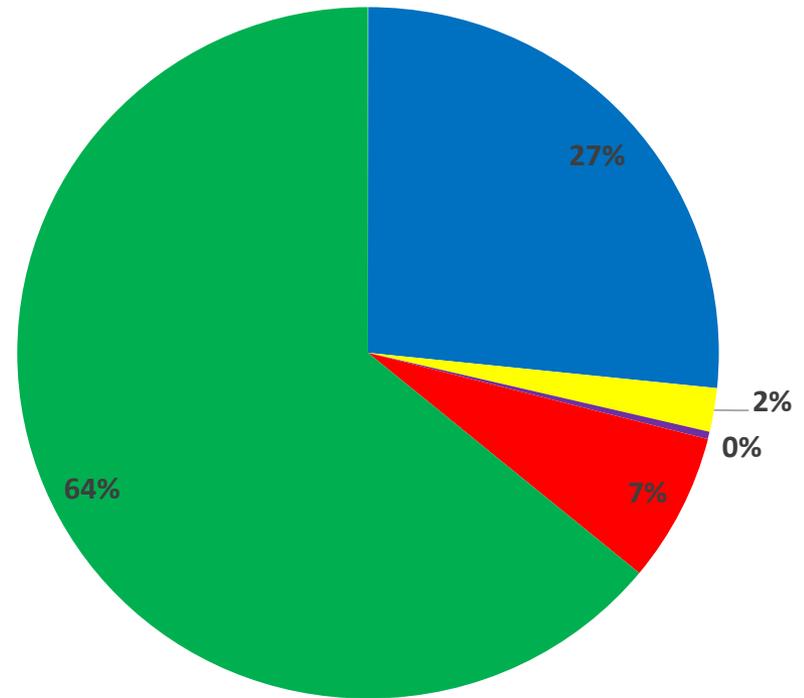
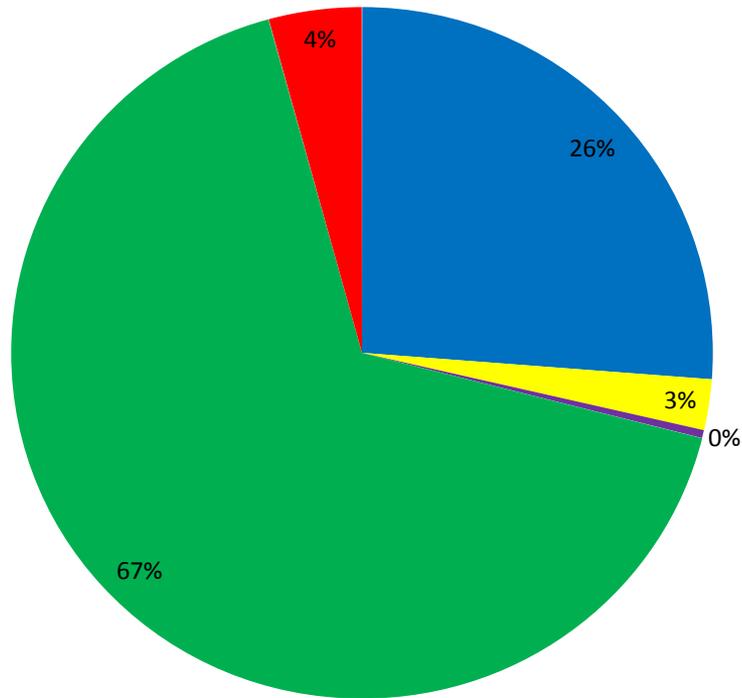
IHDB False Alert Reason

- Unknown
 - False Alert – Reason Unknown
 - Confirmed Beacon False Alert
 - No feedback on why activated
 - Investigation in to beacon activation cause was inconclusive.



AFRCC 2015

AFRCC 2016

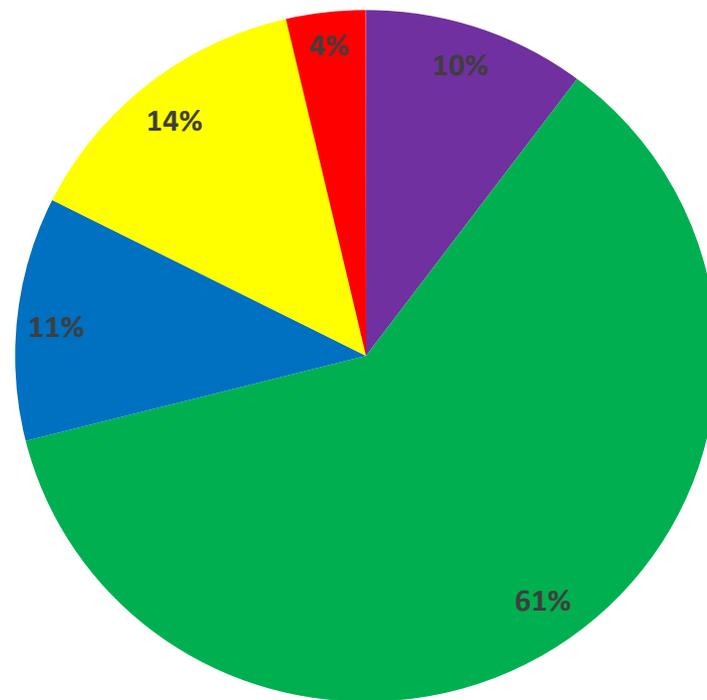
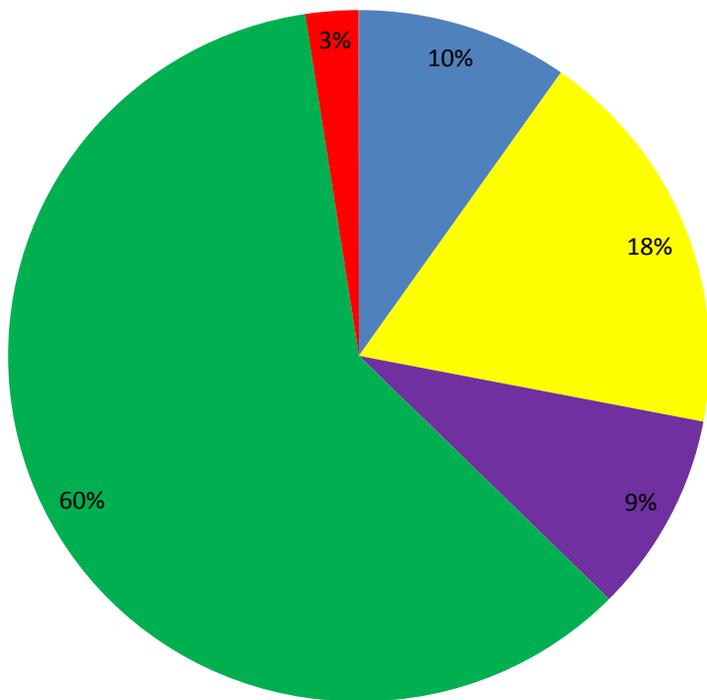


■ Ceased/Undetermined ■ Distress ■ Linked Site ■ (Unassigned) ■ Non-Distress



AKRCC 2015

AKRCC 2016

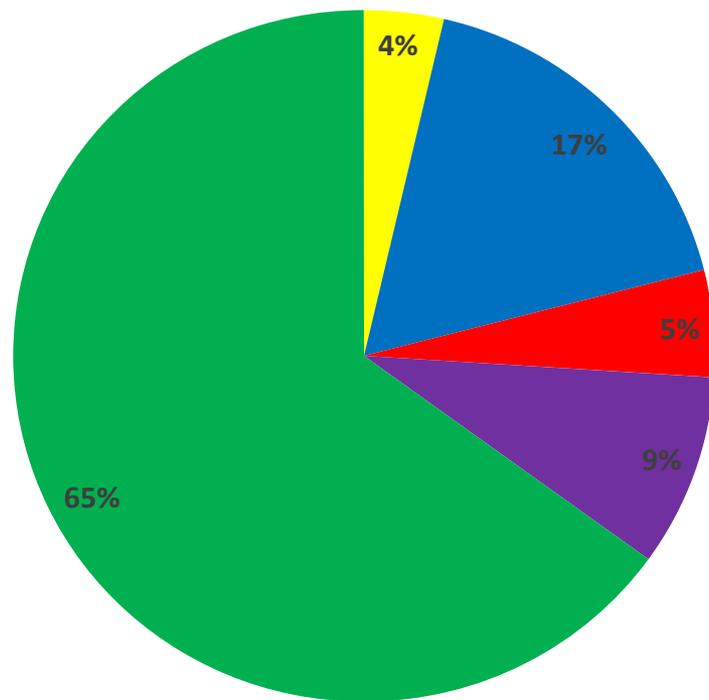
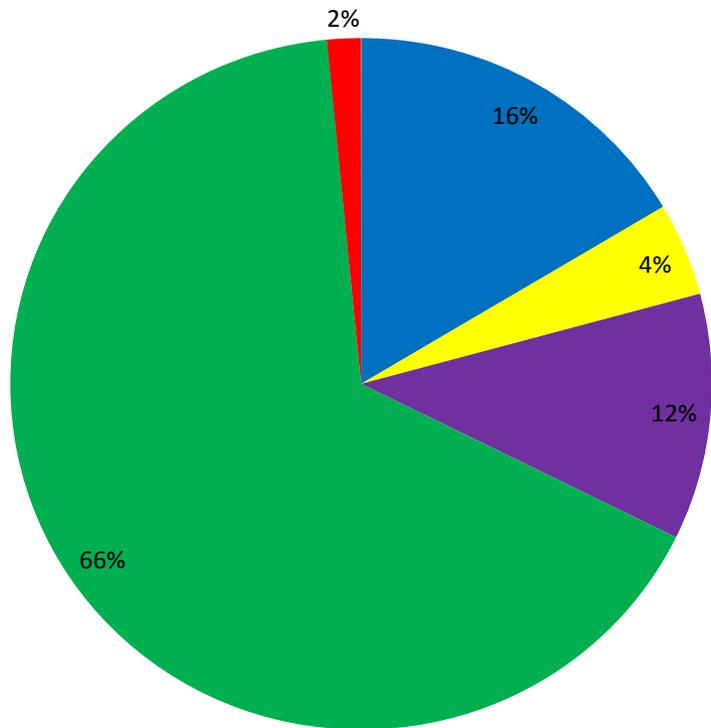


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CGD01 2015

CGD01 2016

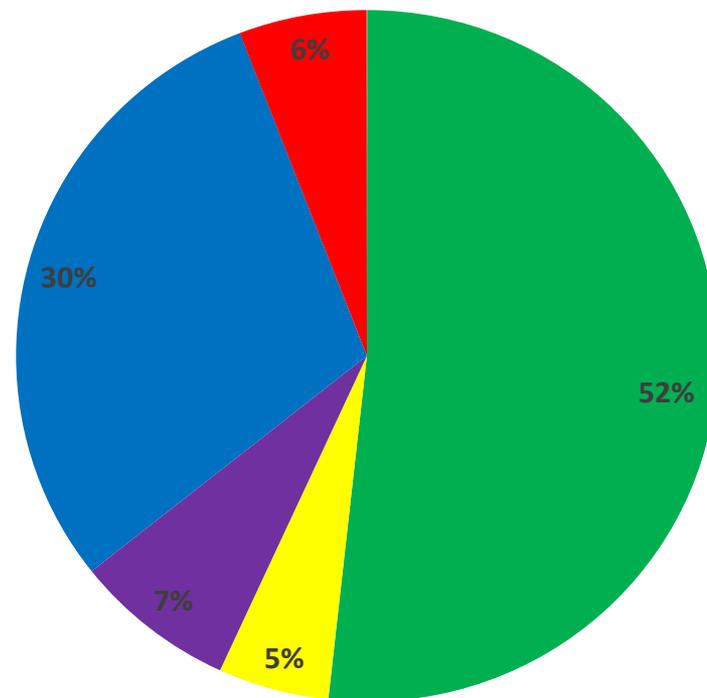
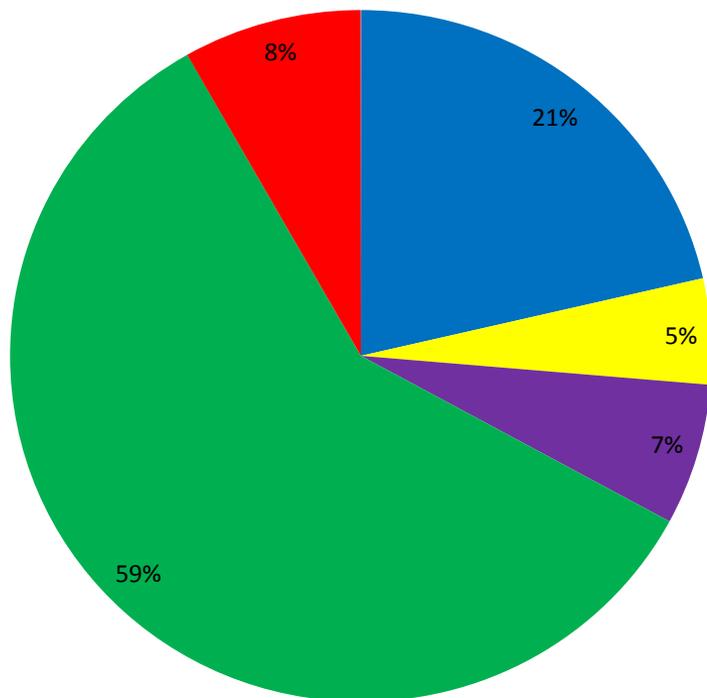


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CGD05 2015

CGD05 2016

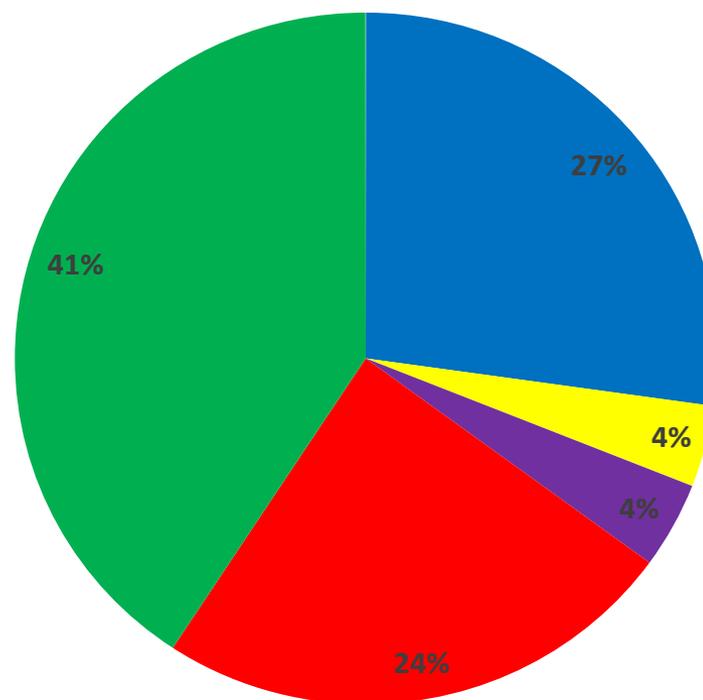
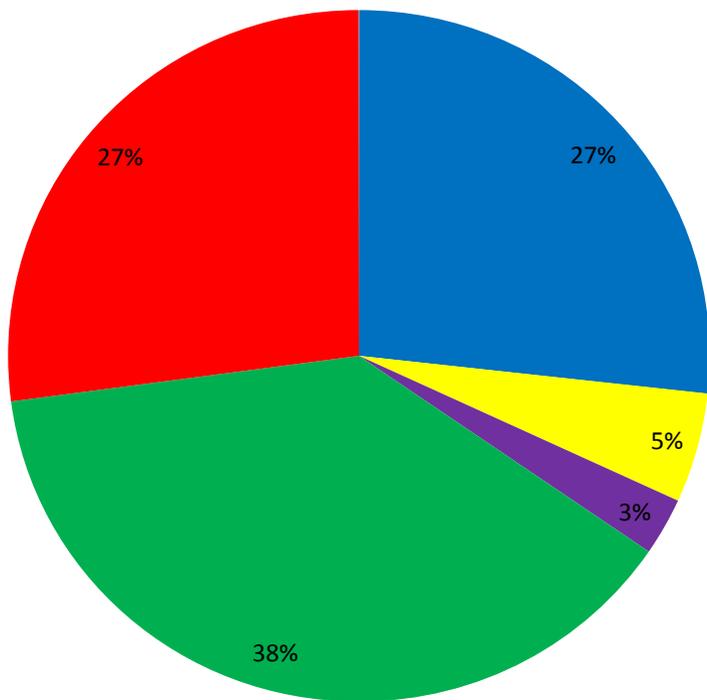


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CGD07 2015

CGD07 2016

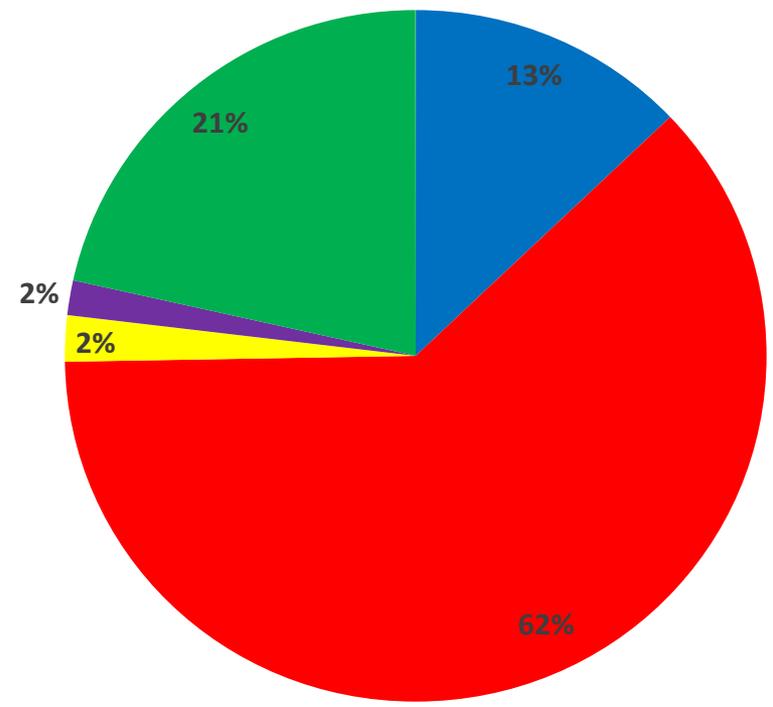
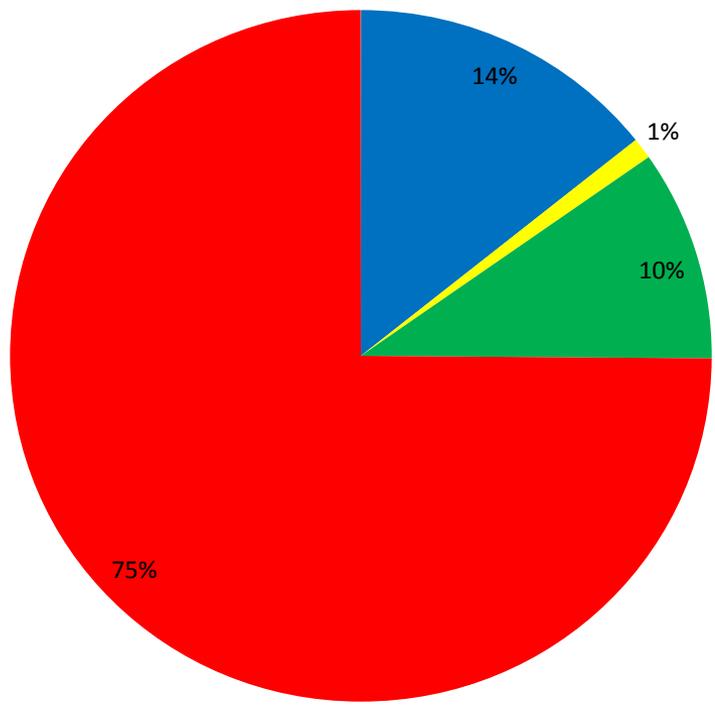


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SANJN 2015

SANJN 2016

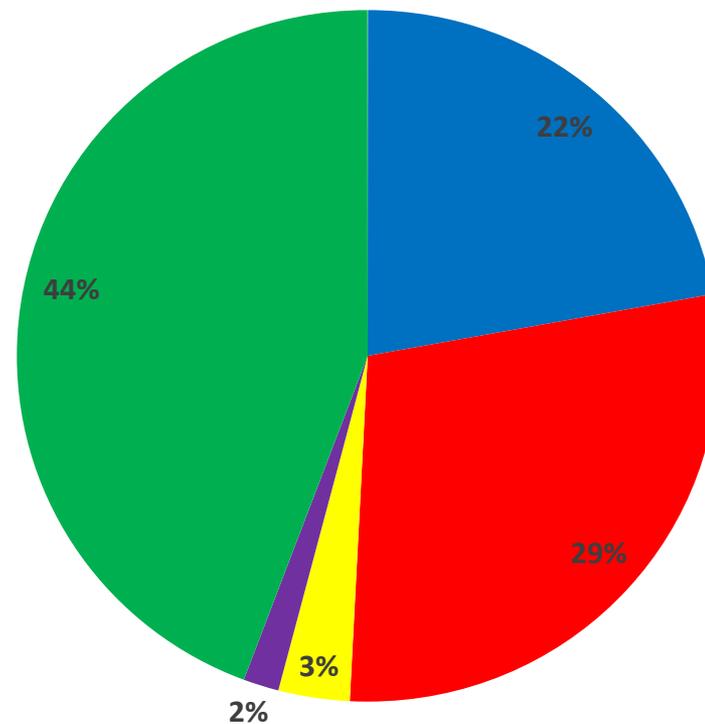
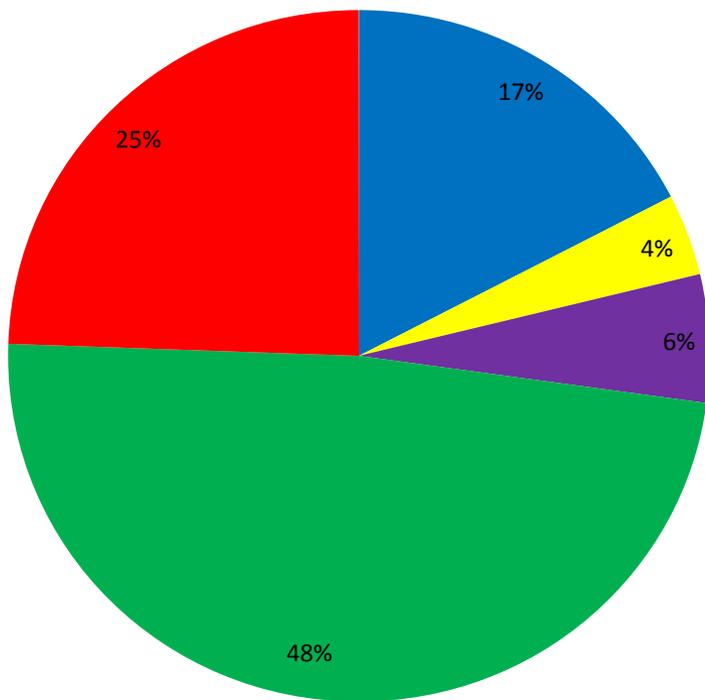


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CGD08 2015

CGD08 2016

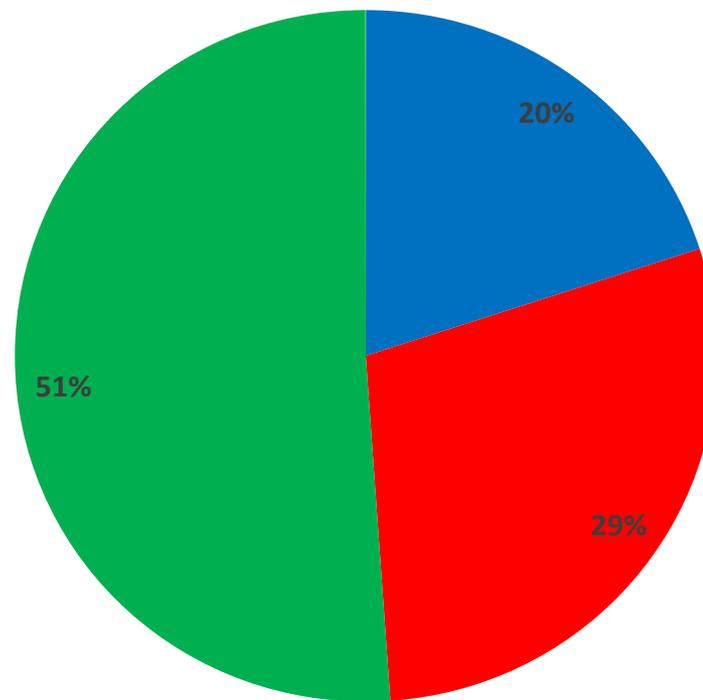
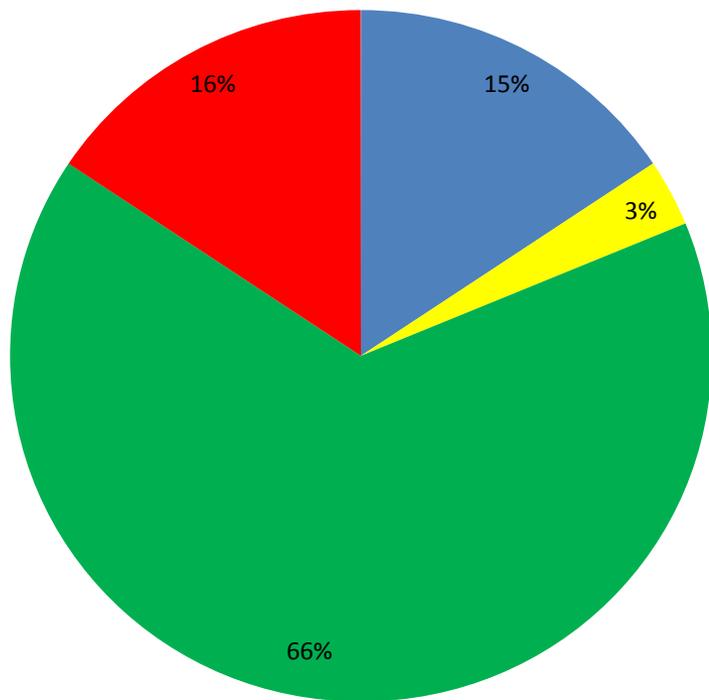


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CGD09 2015

CGD09 2016

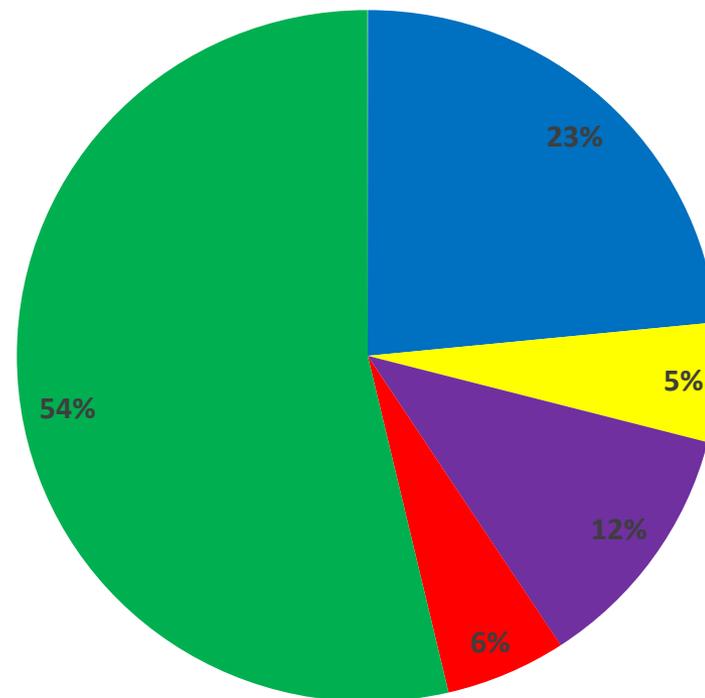
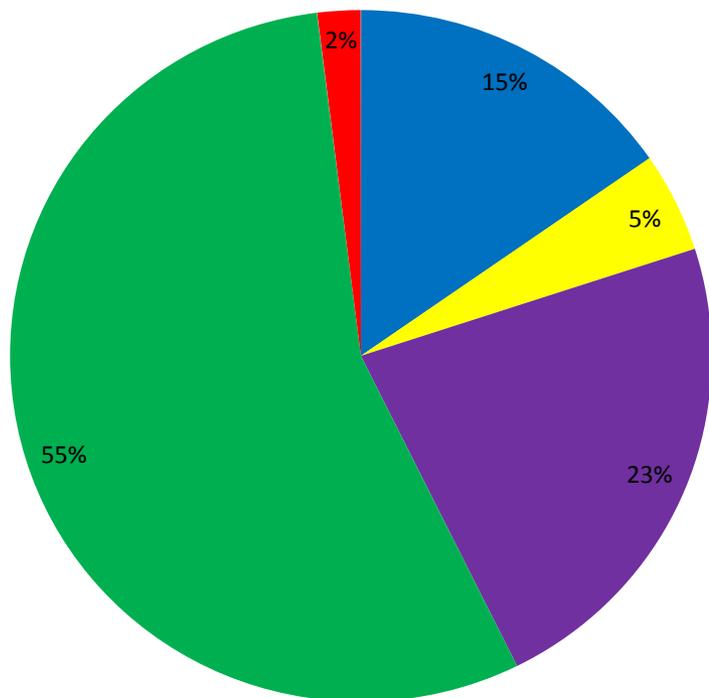


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CGD13 2015

CGD13 2016

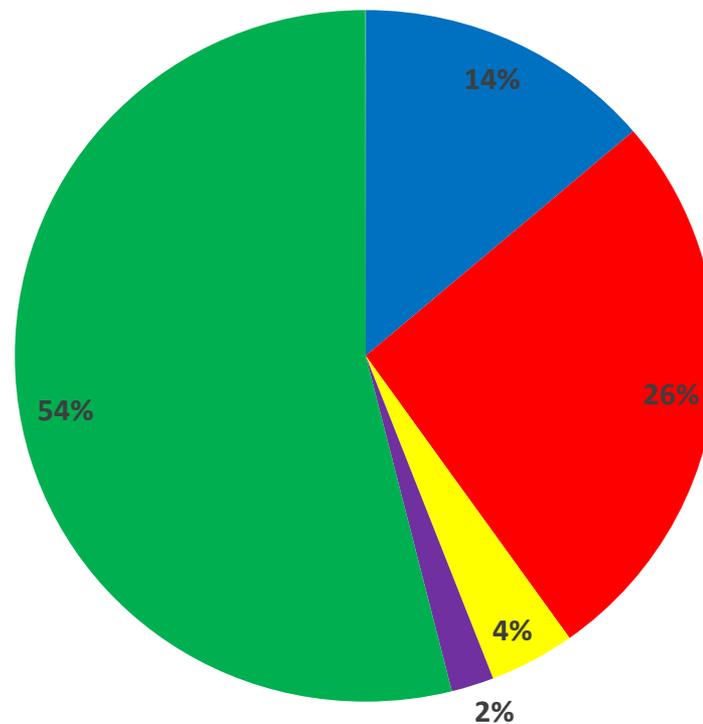
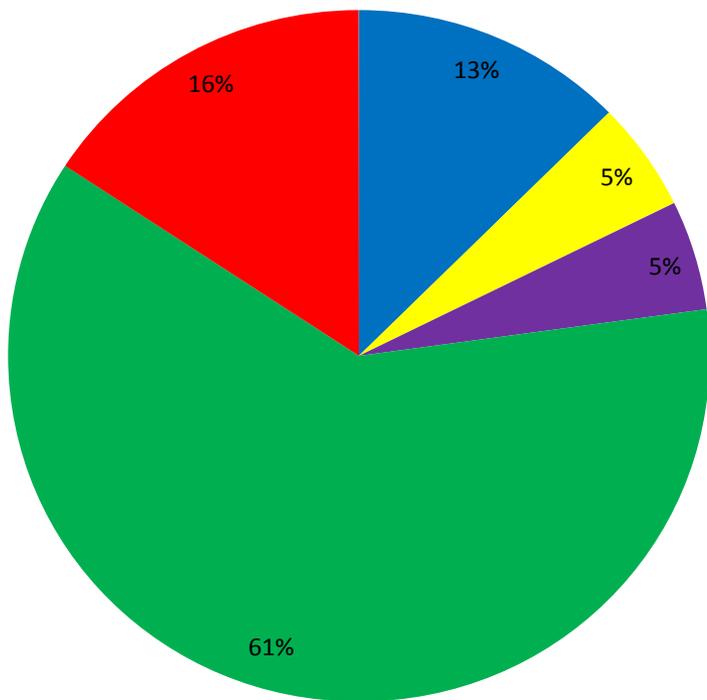


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CGD014 2015

CGD014 2016

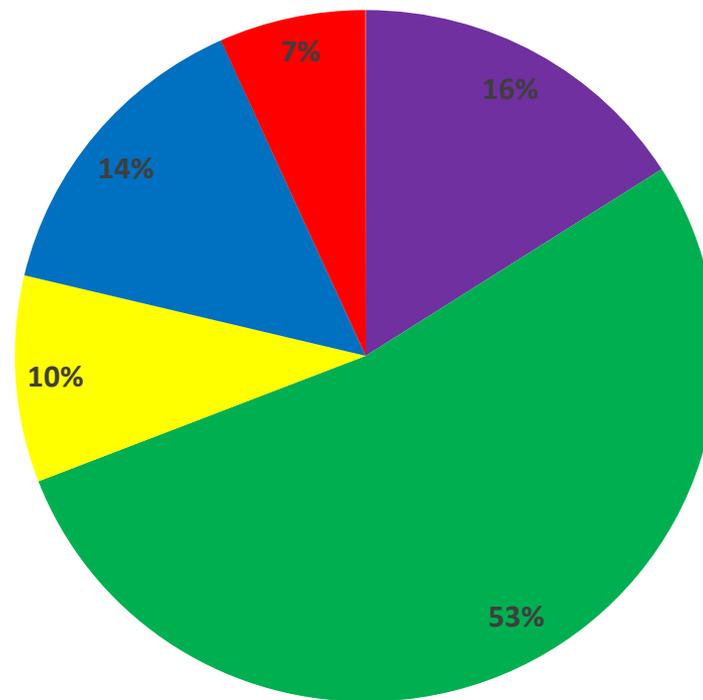
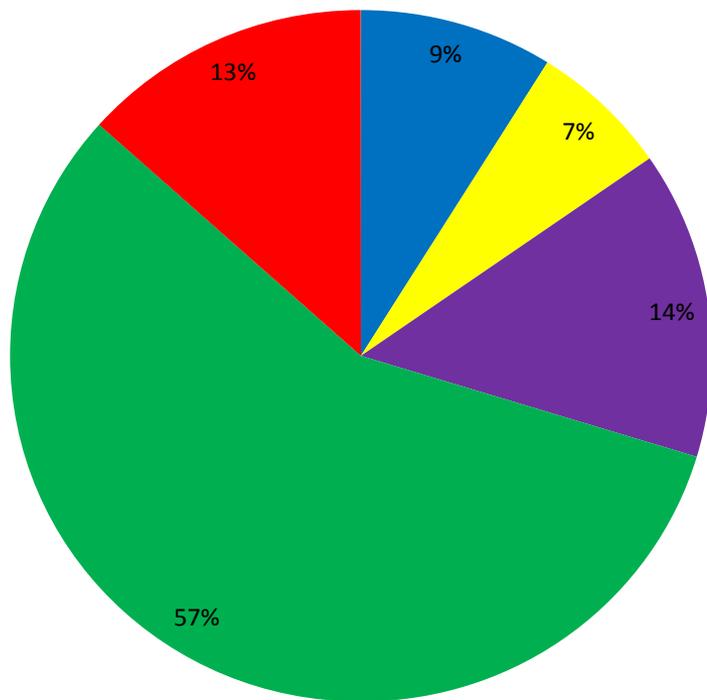


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CGD017 2015

CGD017 2016

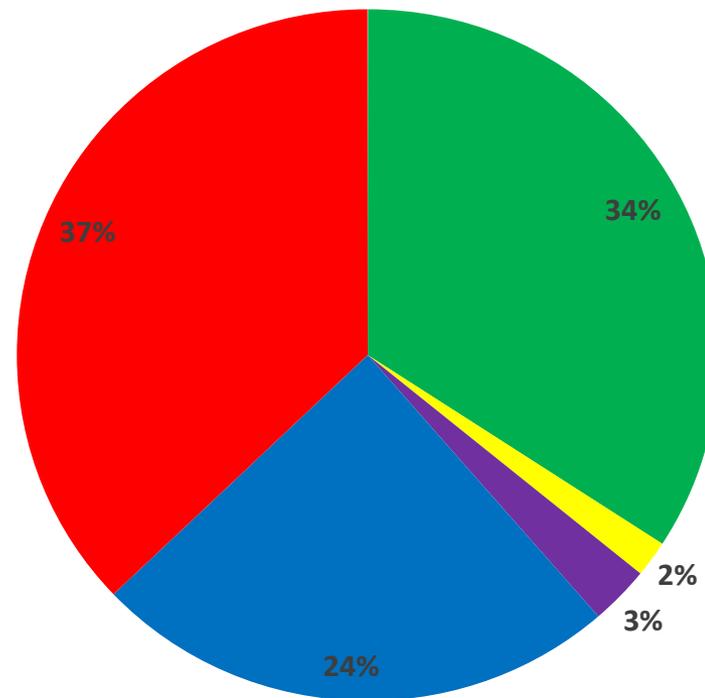
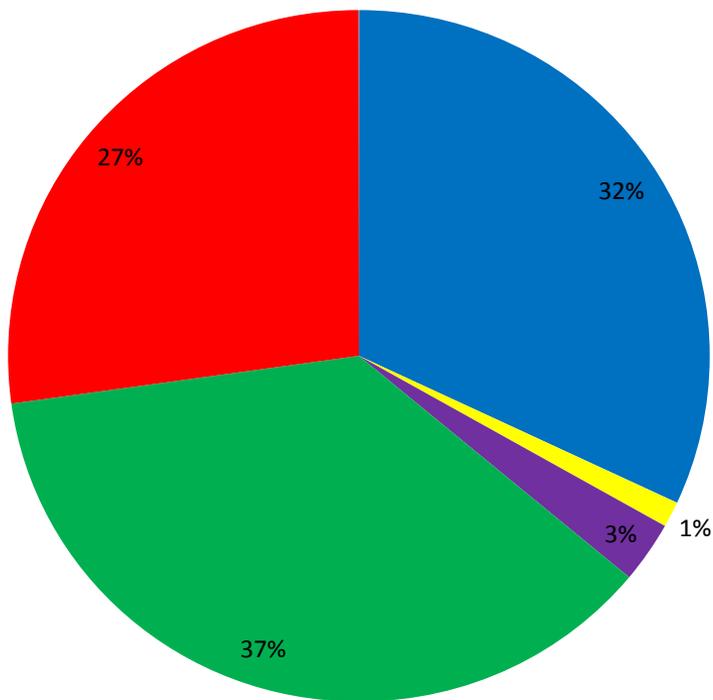


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PACAREA 2015

PACAREA 2016

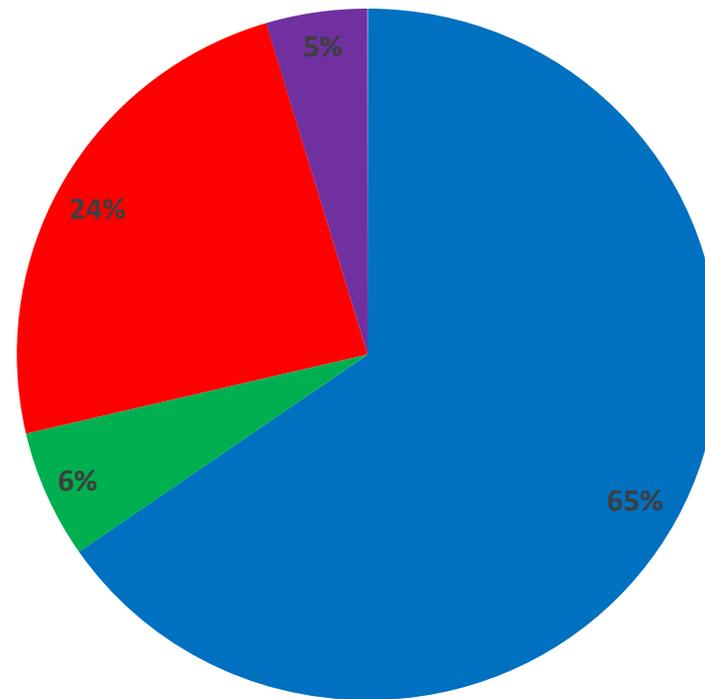
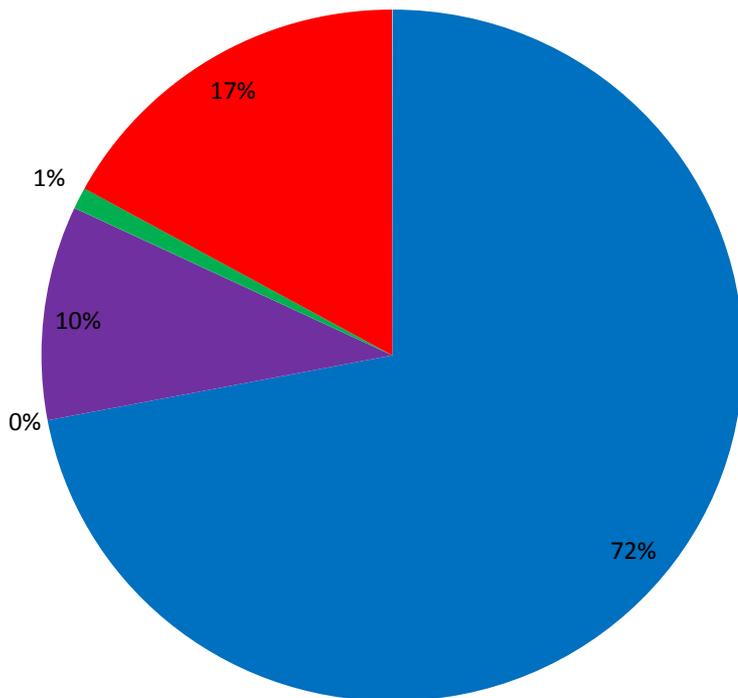


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LANTAREA 2015

LANTAREA 2016

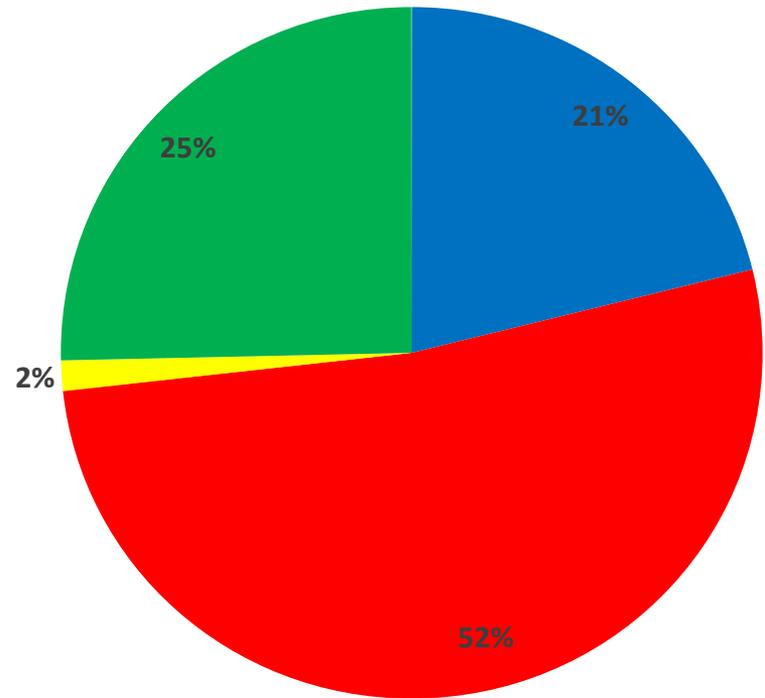
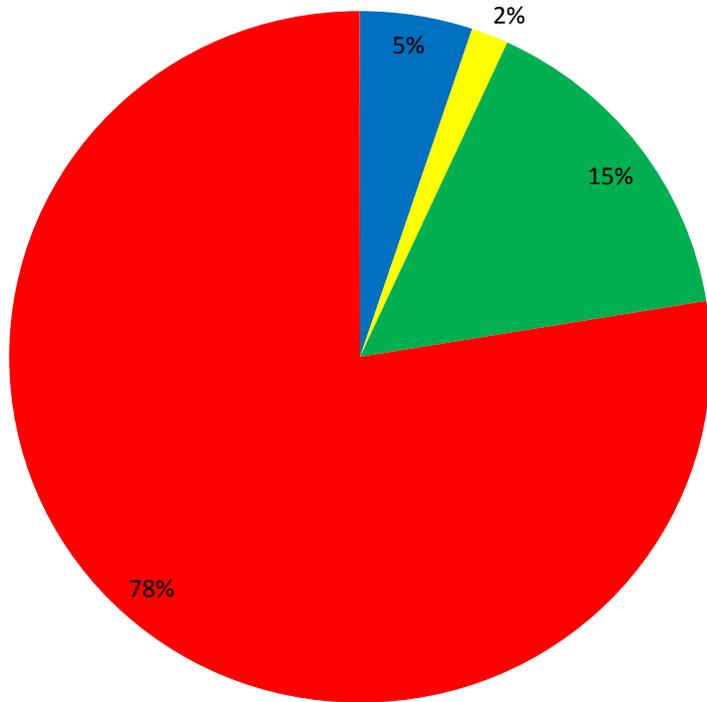


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MARSEC 2015

MARSEC 2016



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