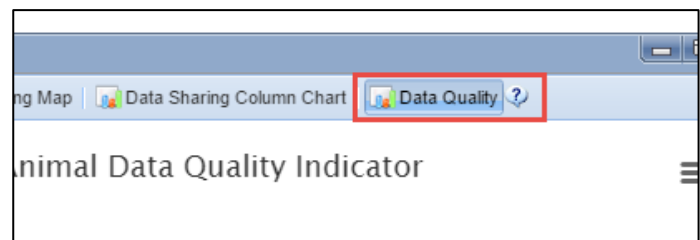
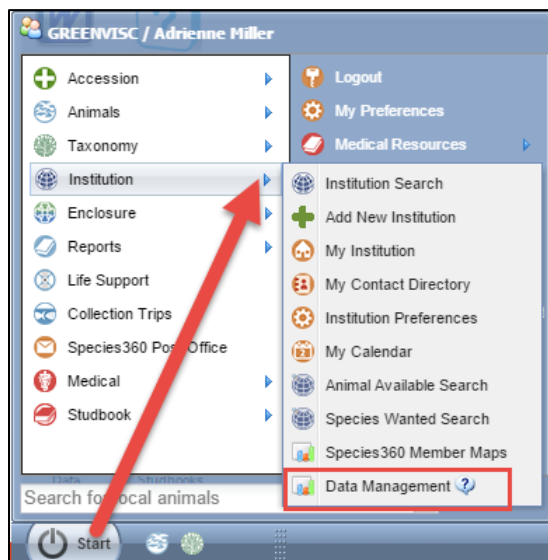


Data Quality Charts in ZIMS

How to use the ZIMS Data Quality tools to clean up your data.

[Contact Species360 Support](#)

The Data Quality tools are found under Start > Institution > Data Management. Data Quality is the last tab on the right.

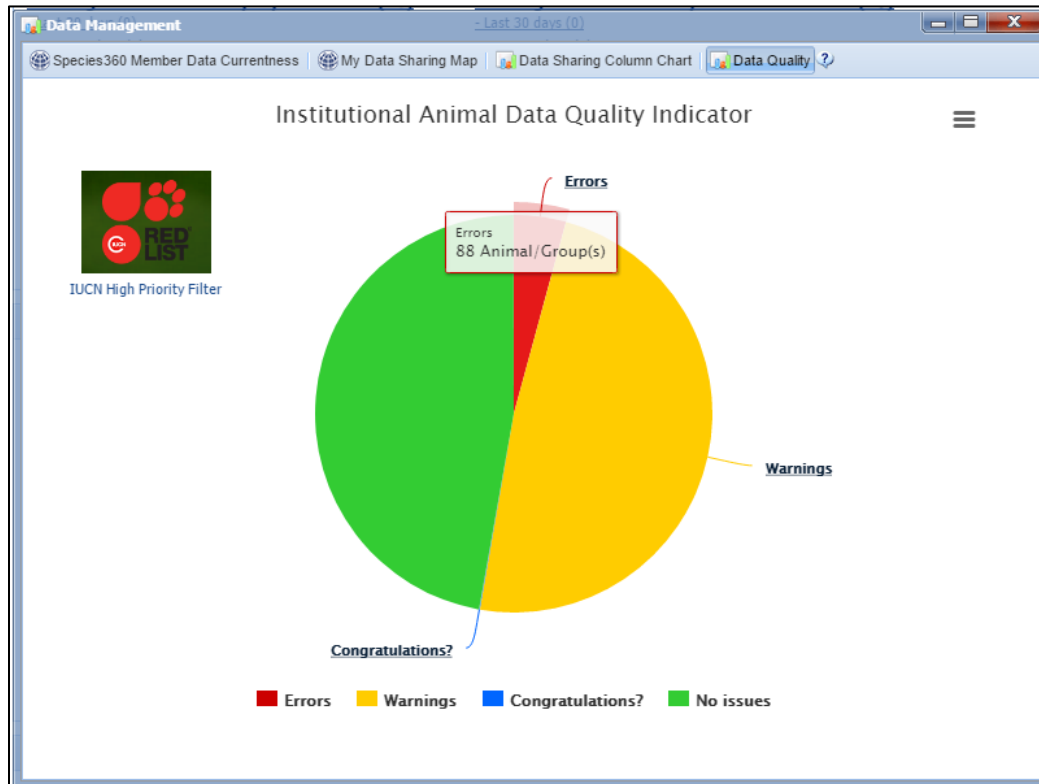


The Data Quality Indicator is a pie chart that displays the records with no issues and those with three types of possible data quality issues. Warnings are usually just a heads up about data that you may or may not need to deal with. Errors are data that you need to address as your record quality is negatively impacted. Congratulations? is notification of the oldest animal(s) in the ZIMS database. Obviously you want your biggest slice to be green (No Issues) and your smallest slice to be red (Errors). A large Congratulations? slice

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may not actually be a good thing. Hovering over the slice will display the number of records in each category. Below we can see that we have Errors in 88 records.



Data issues that are covered as Warnings include:

- Pending Transactions – this is really just a heads up
- Parents Not in ZIMS – this is also just a heads up although some originally recorded as not being in ZIMS may at some point have been added to the database and these could be corrected
- No Parent Recorded – these will need to be fixed and should only be possible in data migrated from ARKS as ZIMS will not allow it

Data issues that are covered as Errors include:

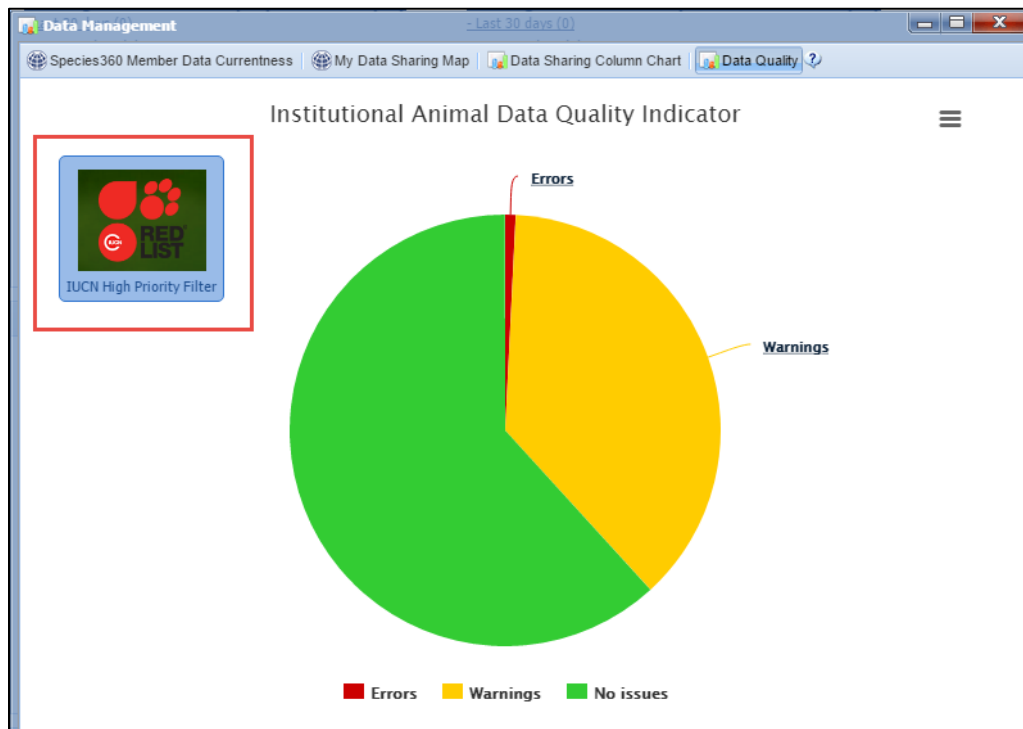
- Obsolete Taxonomic Names – although your institution can choose to not update as the taxonomy in ZIMS is updated

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-
- No Useful Scientific Name – probably needs to be corrected
 - Extra Physical Transactions – needs to be corrected
 - Extra Ownership Transactions – needs to be corrected
 - Parent GANs identical to each other – not always an error as unsexed animals are entered as both Sire and Dam
 - Same GAN as Parent – needs to be corrected
 - Unrealistic dates – needs to be corrected
 - Missing Terms – needs to be corrected
 - Gap Between Parent Death and Offspring Birth – not always an error depending on species reproduction such as delayed implantation and embryonic diapause

If you don't know where to get started it is recommended to apply the IUCN High Priority Filter. This

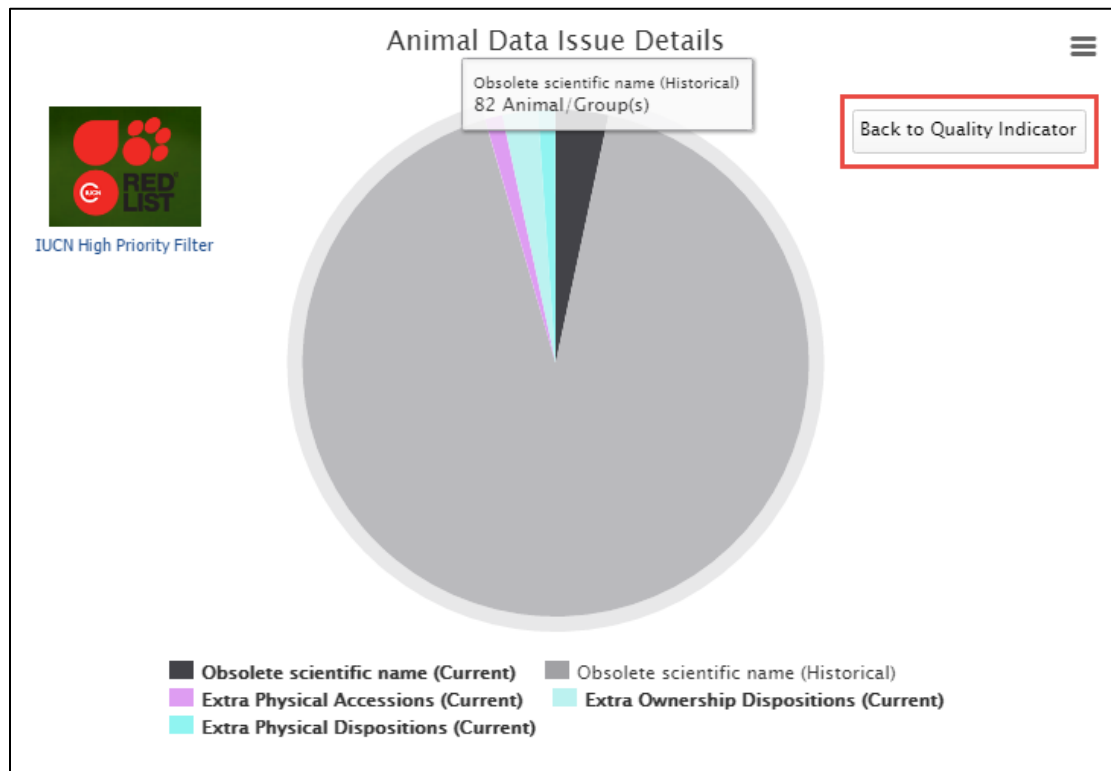
will ensure that you are cleaning up the data for high priority animals first. Note that using this filter greatly reduced the size of the Error slice and increased the size of the No Issues slice.



Left clicking on the pie slice will drill down in the chart for more details. Below we have selected our Errors slice. We have current and historical Obsolete Taxonomic names, Extra Physical Accessions and Dispositions and Extra Ownership Dispositions. You can go back to the previous chart using the “Back to Quality Indicator” button.

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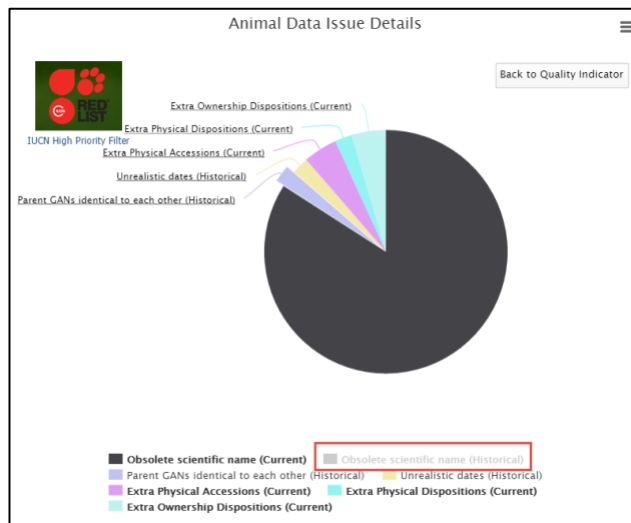
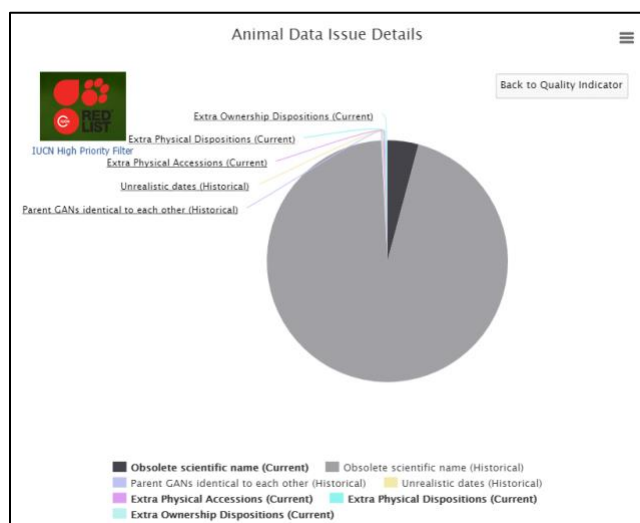
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If some of your pie slices are too small to read (as below on the left) removing other slices by clicking on the topic below the chart will expand the others. Below right we have removed Obsolete Scientific Name (historical) (now greyed out) to better view the other slices.

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Clicking on the pie slice at this point will bring up a list of the animal records that contain the data

that created the Error or Warning. Below we opened the slice for Obsolete Taxonomy (historical). You can fix these individually by going into each record or use the Pending Taxonomic Changes in Animal Statistics to clear these up quickly.

Actions for selected animal(s) ▼							
	Animal GAN	House Name ▼	Local ID	Animal Type	Scientific Name	Common Name	Sex Type
<input type="checkbox"/>	25732634	[Urd/GREENV...	[82A022/GREE...	Individual	<i>Eulemur fulvus...</i>	OBSOLETE: u...	Female
<input type="checkbox"/>	25732419	[Tripp/GREEN...	[XAA063/GREE...	Individual	<i>Bufo woodhous...</i>	OBSOLETE: U...	Undetermined
<input type="checkbox"/>	MIG12-298582...	[STRYKER/GR...	[98A037/GREE...	Individual	<i>Python moluru...</i>	OBSOLETE: U...	Female
<input type="checkbox"/>	25733106	[Smaller/GREE...	[XXG082/GRE...	Individual	<i>Sternotherus o...</i>	OBSOLETE: u...	Female
<input type="checkbox"/>	25732635	[Skuld/GREEN...	[82G023/GREE...	Individual	<i>Eulemur fulvus...</i>	OBSOLETE: u...	Female
<input type="checkbox"/>	25733004	[Sambo/GREE...	[72A002/GREE...	Individual	<i>Cebus apella</i>	OBSOLETE: U...	Male
<input type="checkbox"/>	25733008	[Rockie/GREE...	[78A003/GREE...	Individual	<i>Macaca fascic...</i>	OBSOLETE: u...	Male
<input type="checkbox"/>	25733009	[Raquel/GREE...	[78A004/GREE...	Individual	<i>Macaca fascic...</i>	OBSOLETE: u...	Female
<input type="checkbox"/>	25733003	[Otto/GREENV...	[72A003/GREE...	Individual	<i>Cebus apella</i>	OBSOLETE: U...	Female
<input type="checkbox"/>	25732867	[Norm/GREEN...	[95A028/GREE...	Individual	<i>Python moluru...</i>	OBSOLETE: U...	Male
<input type="checkbox"/>	25732488	[Monty/GREEN...	[80A002/GREE...	Individual	<i>Python moluru...</i>	OBSOLETE: U...	Male
<input type="checkbox"/>	25732000	[MAX/GREENV...	[880001/GREE...	Individual	<i>Polyborus plan...</i>	OBSOLETE: U...	Male
<input type="checkbox"/>	25733272	[Loco/GREENV...	[XXA075/GREE...	Individual	<i>Bufo marinus</i>	OBSOLETE: U...	Male
<input type="checkbox"/>	25733105	[Larger/GREE...	[XXG081/GRE...	Individual	<i>Sternotherus o...</i>	OBSOLETE: u...	Female
<input type="checkbox"/>	MIG12-9087889	[IRENE/GREE...	[880025/GREE...	Individual	<i>Polyborus plan...</i>	OBSOLETE: U...	Female

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You can also find records that have No Useful Scientific Names Found using the pie slices. Usually the taxonomy for these is Animalia. You will need to go into the records and try to determine what the taxonomy was supposed to be. You may be able to do this via Parent records or checking in Notes.

Statistics Search Results SRF15-03215/Animalia							
Actions for selected animal(s)							
	Animal GAN	Preferred ID	Animal Typ...	Scientific N...	Common N...	Sex Type	DOB/Establ...
<input checked="" type="checkbox"/>	SRF15-03215	[FD1500/JA...	Individual	Animalia	Animals	Indeterminate	Jan 01, 2015
<input type="checkbox"/>	SRF15-03216	[EN1500/JA...	Individual	Animalia	Animals	Indeterminate	Jan 01, 2015

Extra Transactions (both physical and ownership) are usually found only in records migrated from ARKS. ZIMS should not allow you to create these. Below you have recorded receiving the animal twice with two slightly different Loan terms. You will need to research which one is correct and delete the other transaction if you recorded it. However, if another institution recorded it they will need to delete it on their end. This may also impact Pending Transactions. For example, SAN ANTON has Confirmed the first transaction. If you decide that one was incorrectly entered they will need to confirm the second one.

Add Transaction Save All Changes Transaction Save Do not forget to save all your changes before leaving this screen Export to PDF							
	Date	Physical/Ownership Ever	ical Change	Details	Ownership Status	Physical Status	
	Jan 19, 2011 00...	From Another Institution	NO	Loan In From(Physical Only): Sender: SAN ANTON	Not Owned	On Site	
	Jan 19, 2011 00...	From Another Institution	NO	Loan Transfer From (Physical Only): Sender: SAN ANTON	Not Owned	On Site	
	Oct 28, 2011 00...	From Another Institution	YES	Donation From(Ownership Only): ~	Owned	On Site	
	Sep 29, 2012 0...	Death	YES	~	Not Owned	Off Site	






Below you have recorded sending out the animal twice. This will also need to be researched and corrected. Always add a Note should you have to do this!

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Transaction Save							
Do not forget to save all your changes before leaving this screen							
Date	Physical/Ownership Event	Local Change	Details	Ownership Status	Physical Status		
Oct 08, 2006 00...	Birth/Hatch	YES	~	Owned	On Site		
Apr 18, 2008 00...	To Another Institution	YES	Donation To (Physical and Ownership): UNKNOWN, UNKNOW...	Not Owned	Off Site		
Apr 22, 2008 00...	To Another Institution	YES	Donation To (Physical and Ownership): SEDGWICK, SEDGW...	Not Owned	Off Site		

Identical Parent GANs means that the same animal has been entered as both a Sire and a Dam. This is not always an Error because that is what is recommended to enter when an animal who is a possible

Parent is unsexed. However, there is a possibility that since the record was created the animal has been sexed. In the record below we checked the sex for GAN 26046561 and it has since been sexed as a female. It can be deleted as a Sire record (and add a Note!).

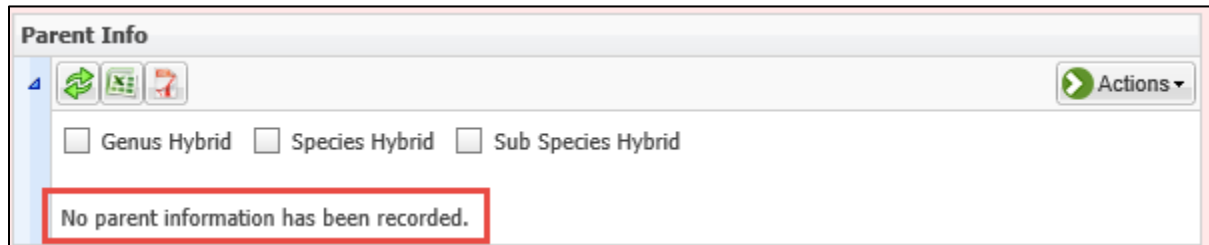
Parent Info				
<input type="checkbox"/> Genus Hybrid <input type="checkbox"/> Species Hybrid <input type="checkbox"/> Sub Species Hybrid				
GAN	Parent Info	Parent Type / Probability	Birth Date	
 26046561	/ 481	Dam / -	Dec 21, 1979	
 26046561	/ 481	Sire / -	Dec 21, 1979	
 26046566	/ 743	Dam / -	May 18, 1984	
 MIG12-29241470	/ 740	Dam / -	Apr 05, 1984	
 MIG12-29241470	/ 740	Sire / -	Apr 05, 1984	

Records with No Parent recorded are a result of the migration from ARKS as ZIMS will not allow this to happen. Usually this missing information is in transactions with institutions who are not Species360 members. You may be able to get the information by

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contacting them and you should try to do that before recording Undetermined or Indeterminate for the parents.

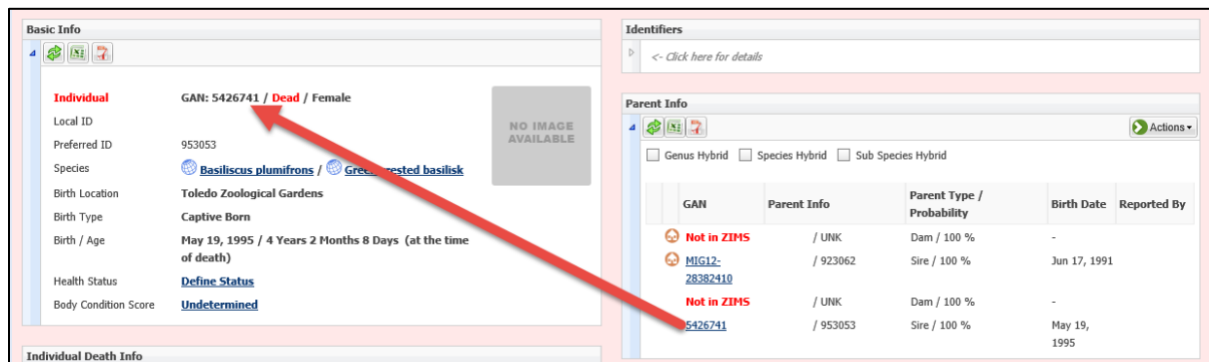


Parent Info

☐ Genus Hybrid ☐ Species Hybrid ☐ Sub Species Hybrid

No parent information has been recorded.

Migration from ARKS also may create some records where the GAN of the offspring is the same GAN as a Parent. If you recorded the Parent record you can fix these. If another institution recorded it you will need to contact them for correction.



Basic Info

Individual GAN: 5426741 / Dead / Female

Local ID 953053

Preferred ID 953053

Species [Basiliscus plumifrons](#) / [Green-backed basilisk](#)

Birth Location Toledo Zoological Gardens

Birth Type Captive Born

Birth / Age May 19, 1995 / 4 Years 2 Months 8 Days (at the time of death)

Health Status [Define Status](#)

Body Condition Score [Undetermined](#)

Identifiers

<- Click here for details

Parent Info

GAN	Parent Info	Parent Type / Probability	Birth Date	Reported By
Not in ZIMS	/ UNK	Dam / 100 %	-	
MIG12-28382410	/ 923062	Sire / 100 %	Jun 17, 1991	
Not in ZIMS	/ UNK	Dam / 100 %	-	
5426741	/ 953053	Sire / 100 %	May 19, 1995	

Finding the Unrealistic Dates may require a bit of detective work as they are not always obvious. Below we have a 258-year-old wood partridge (fairly unrealistic). Although My Transaction stream has the Hatch Date correctly recorded as 9 July 2008, the Event Locations grid displays 01 January 1753. This is probably due as a result of migration from ARKS where empty dates were switch to this 1753 date. These dates can only be corrected by the originating Institution.

Basic Info

changes before leaving this screen

Individual

GAN: 23715627 / Dead / Female

Local ID

Preferred ID 12218

Species [Rollulus rouloul](#) / [Crested wood partridge](#)

IUCN: NT Studbooks: AZA

Birth Location

Birth Type Captive Born

Birth / Age 01/Jan/1753 / 258 Years 6 Months 26 Days (at the time of death)

Health Status [Normal \(31/Oct/2008\)](#)

Body Condition Score [5/9 \(31/Oct/2008\)](#)

NO IMAGE AVAILABLE

Event Locations			
			Actions
Date	Location Type	Location	Reported By
01/Jan/1753	Hatch		
09/Jul/2008	Hatch		TUCSON
Prev	Page 1 of 1	Next	Page Size 20 Change

Missing Terms are caused by migration from ARKS. Most are typically found in a transaction of Missing because there were no Terms required in the ARKS application for a Missing transaction.

However, other transactions can still contain blank Terms although these are far fewer. Simply find the blank field by opening My Transactions records and select the proper Term.

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Fixing Errors for Gap Between Parent Death and Offspring Birth will also require a bit of detective work. And depending on species reproductive biology it may not be an error at all (think delayed implantation and embryonic diapause). The record that will open will be that of the offspring. The penguin below was hatched on 14 April 2011.

Details	More Details	Note & Observation	Major Life Event	My Transactions
<div> Add Transaction Save All Changes Undo Remove Export to Excel Export to PDF </div>				
Date	Physical/Ownership Event	Ownership Change	Physical Change	Details
14/Apr/2011 00:00	Birth/Hatch	YES	YES	~
08/Mar/2013 12:00	To Another Institution	YES	YES	Donation To (F

However, when you open the dam's record you note that she died on 24 June 2008.

Details	More Details	Note & Observation	Major Life Event	My Transactions
<div> Add Transaction Save All Changes Undo Remove Export to Excel Export to PDF </div>				
Date	Physical/Ownership Event	Ownership Change	Physical Change	Details
15/Dec/1998 00:00	From Another Institution	NO	YES	Loan In Fro
24/Jun/2008 00:00	Death	NO	YES	~

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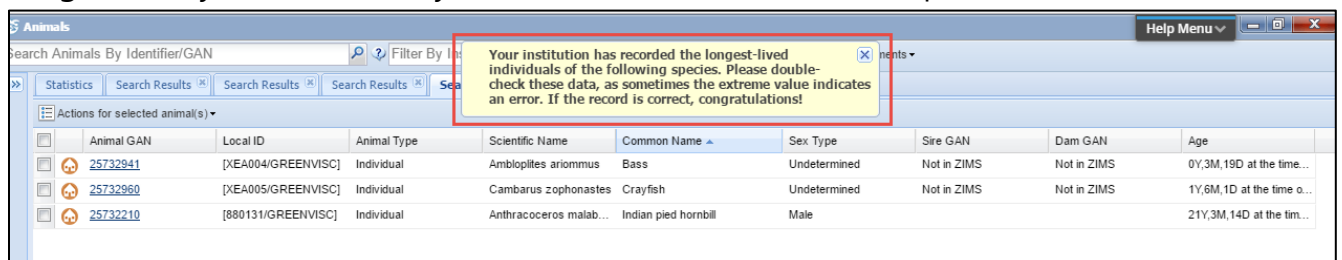
There are several possibilities here:

- 1) the incorrect dam was recorded
- 2) the incorrect hatch date for the chick was recorded, or
- 3) the incorrect death date for the dam was recorded.

You will need to look at both records, don't forget to look in the Notes, to determine which record needs to be corrected.

Congratulations? Is an indicator that you may possibly have the oldest individual of a species in the ZIMS database. To open this (usually very small) pie piece you may have to click on the hyperlink

instead of the pie slice if there is no visible slice to open. The results grid will display the animals that you may be deserving of a Congratulations! In many cases though, this longevity is due to an error such as not recording a death on the right date, or even not recording it at all! You may need to review any Notes in the record to determine if the dates are accurate or if they need to be corrected. If the record is indeed correct then congratulate yourself and maybe use it for a Public Relations spot!



The screenshot shows the 'Animals' section of the Species360 database. A search bar at the top allows filtering by identifier/GAN. Below the search bar, a table lists animals with columns: Animal GAN, Local ID, Animal Type, Scientific Name, Common Name, Sex Type, Sire GAN, Dam GAN, and Age. A yellow callout box with a red border points to the first row, stating: 'Your institution has recorded the longest-lived individuals of the following species. Please double-check these data, as sometimes the extreme value indicates an error. If the record is correct, congratulations!'

Animal GAN	Local ID	Animal Type	Scientific Name	Common Name	Sex Type	Sire GAN	Dam GAN	Age
25732941	[XEA004/GREENVISC]	Individual	Ambloplites ariommus	Bass	Undetermined	Not in ZIMS	Not in ZIMS	0Y,3M,19D at the time...
25732960	[XEA005/GREENVISC]	Individual	Cambarus zophonastes	Crayfish	Undetermined	Not in ZIMS	Not in ZIMS	1Y,6M,1D at the time o...
25732210	[880131/GREENVISC]	Individual	Anthracosceros malab...	Indian pied hornbill	Male			21Y,3M,14D at the tim...

Revised 15 May 2019

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