

# Project Supported Transformations

## Scientific

Domain	Tool	Type	Description	Repositories	Contact
Hydrology	<b>Advection Diffusion</b>		Solve a general advection-dispersion equation.		Dong Kook Woo  Sandeep Puthanveetil Satheesan
	<b>Chemical Mean Age</b>	Extract or	Determine the mean age of chemical constituents with inputs of chemical dynamics.		Dong Kook Woo  Sandeep Puthanveetil Satheesan
	<b>Document Tables Extractor</b> (nca.nlp.wordtables)	Extract or	Extract tables from documents.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/WordTablesExtractor">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/WordTablesExtractor</a>	
	<b>GDAL</b> (nca.geo.shpExtractor)	Extract or		<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-geo/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-geo/browse</a>	Smruti Padhy Jong Lee
	<b>GDAL</b> (nca.geo.tiffExtractor)	Extract or		<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-geo/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-geo/browse</a>	Smruti Padhy Jong Lee
	<b>GDAL</b> (nca.image.geotiff)	Extract or		<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-geotiff/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-geotiff/browse</a>	Mostafa Elag Jong Lee
	<b>Historical River Extractor</b> (nca.cv.river)	Extract or	Extract the river networks from the ancient hand-drawing maps and compare them with current river networks	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/river">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/river</a>	Qina Yan
	<b>Normalized Difference Vegetation Index</b> (nca.arcgis.landsat7mosaic)	Extract or		<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-bd-cz/browse/ndviextractor">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-bd-cz/browse/ndviextractor</a>	Smruti Padhy
	<b>River Chi Index</b>	Extract or	Identify the river dynamics in a river basin and evaluate human activities' influences through Chi index in the streams.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-bd-cz/browse/chi-analysis">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-bd-cz/browse/chi-analysis</a>	Qina Yan  Sandeep Puthanveetil Satheesan
	<b>River Sinuosity</b>	Extract or	Study the maturity and equilibrium conditions of a stream through the sinuosity index.		Qina Yan  Sandeep Puthanveetil Satheesan
	<b>Soil Moisture Change</b>	Extract or	Determine role of hydraulic redistribution in AZ (riparian site / upland site) by studying soil moisture change throughout different seasons.		Esther Lee (esther2010@gmail.com)  Sandeep Puthanveetil Satheesan
	<b>Species Classifier</b>	Extract or	SAM based Species Classification from <b>Hyperspectral</b> data, Hyperspectral Indices, NDVI, SAVI, MSAVI, etc.		Debsunder Dutta (debsunderdutta@gmail.com) <i>leaving in July 2016</i>  Sandeep Puthanveetil Satheesan
	<b>TerEx</b> (nca.arcgis.floodplain)	Extract or	Identify the flat polygons and the heights inside a river valley.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-bd-cz/browse/terex_floodplain">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-bd-cz/browse/terex_floodplain</a>	Qina Yan Smruti Padhy
	<b>Topographic Depressions</b>	Extract or	Identify topographic depressions (TDs) and their distribution on landscape (Number, location, area, volume of TDs).	<a href="https://github.com/HydroComplexity/TDI">https://github.com/HydroComplexity/TDI</a>	Phong Le  Sandeep Puthanveetil Satheesan

	<b>Tree Delineation</b>	Convert er	Tree-wise voxelization of waveform data for <b>lidar</b> metrics that describes canopy structure (max intensity, height, etc...). Individual tree delineation, tree leaf area density to describe vertical leaf distribution.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/BD/repos/ir-lidar/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/BD/repos/ir-lidar/browse</a>	Kunxuan Wang  Sandeep Puthanveetil Satheesan
	<b>Valley Safety Zones</b>	Extract or	Estimate submerging areas and water depths under extreme floods and map the safety zones in a river valley.		Qina Yan  Sandeep Puthanveetil Satheesan
	<b>Vegetation Indices</b>	Extract or	Calculating vegetation indices such as NDVI and Surface Temperature from Landsat 7 and 8 <b>satellite</b> data.		Debsunder Dutta ( <a href="mailto:debsunderdutta@gmail.com">debsunderdutta@gmail.com</a> ) <i>leaving in July 2016</i>  Sandeep Puthanveetil Satheesan
<b>Ecology</b>	<b>netcdf</b> (ncdump)	Convert er	Convert from binary netcdf to text.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ncdump/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ncdump/browse</a>	Kenton McHenry
	<b>PEcAn</b> (PEcAn#Ameriflux)	Convert er	Convert Ameriflux data to PEcAn's netcdf CF format.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse</a>	Rob Kooper Kenton McHenry
	<b>PEcAn</b> (PEcAn#DALEC)	Convert er	Convert PEcAn's netcdf CF format to the format required by the DALEC model.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse</a>	Rob Kooper Kenton McHenry
	<b>PEcAn</b> (PEcAn#ED2)	Convert er	Convert PEcAn's netcdf CF format to the format required by the ED model.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse</a>	Rob Kooper Kenton McHenry
	<b>PEcAn</b> (PEcAn#LINKAGES)	Convert er	Convert PEcAn's netcdf CF format to the format required by the LINKAGES model.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse</a>	Rob Kooper Kenton McHenry
	<b>PEcAn</b> (PEcAn#Sipnet)	Convert er	Convert PEcAn's netcdf CF format to the format required by the Sipnet model.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-pecan/browse</a>	Rob Kooper Kenton McHenry

	<p><b>PEcAn</b> (PEcAn#AmerifluxB NL)</p> <p><b>PEcAn</b> (PEcAn#FLUXNET2 015)</p> <p><b>PEcAn</b> (PEcAn#FACE)</p> <p><b>PEcAn</b> (PEcAn#PALEON)</p> <p><b>PEcAn</b> (PEcAn#NLDAS)</p> <p><b>PEcAn</b> (PEcAn#CURNCEP)</p> <p><b>PEcAn</b> (PEcAn#GLDAS)</p> <p><b>PEcAn</b> (PEcAn#GFDL)</p> <p><b>PEcAn</b> (PEcAn#BIOCRO)</p> <p><b>PEcAn</b> (PEcAn#CLM)</p> <p><b>PEcAn</b> (PEcAn#GDAY)</p> <p><b>PEcAn</b> (PEcAn#JULES)</p> <p><b>PEcAn</b> (PEcAn#LPJ- GUESS)</p> <p><b>PEcAn</b> (PEcAn#MAAT)</p> <p><b>PEcAn</b> (PEcAn#MAESPA)</p> <p><b>PEcAn</b> (PEcAn#PRELES)</p>				<p>Yan Zhao</p> <p>Rob Kooper</p>
	<b>PlantCV</b> (terra. plantcv)	Extract or	Extract plant height, area, and color distribution from photographs.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-plantcv/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-plantcv/browse</a>	Yan Liu
<b>Civil &amp; Environmental Engineering</b>	<b>Body of Water Detector</b> (ncsa. image.ponddetect)	Extract or	Land coverage, extract locations of bodies of water from <b>s</b> <b>atellite data.</b>	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-maps/browse/feature_detection">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-maps/browse/feature_detection</a>	Ankit Rai Marcus Slavenas
	<b>GI Identification</b>	Extract or			Ankit Rai Marcus Slavenas
	<b>Human Preference Score</b> (ncsa.image. humanpref)	Extract or	Assign a model derived human preference score to a given image of an urban environment.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-maps/browse/humanpref">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-maps/browse/humanpref</a>	Ankit Rai Marcus Slavenas
	<b>Route Greenness</b> (ncsa.xml. greenindexroute)	Extract or	Derive the green index of a city route.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-maps/browse/greenroute">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-maps/browse/greenroute</a>	Marcus Slavenas
	<b>Social Media GI Preferences</b>	Extract or			Ankit Rai Marcus Slavenas
	<b>Stanford CoreNLP - Sentiment</b> (ncsa. nlp.SNLPSentiment)	Extract or	Assign a sentiment score to a piece of text.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SNLP/SNLPSentimentExtractor">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SNLP/SNLPSentimentExtractor</a>	Ankit Rai Marcus Slavenas
	<b>TUV Triaxus</b>	Extract or			Ankit Rai Marcus Slavenas

<b>Social Science &amp; Humanities</b>	<b>Bertillon Card Cell Extractor</b> (nca.image.dmp)	Extract or	Extract table cells from a Bertillon Card.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/DEBOD/repos/extractors-debod">https://opensource.ncsa.illinois.edu/bitbucket/projects/DEBOD/repos/extractors-debod</a>	Sandeep Puthanveetil Satheesan
	<b>Census Form Cell Extractor</b> (census-section-segmentor)	Extract or	Extract table cells from a 1930s Census form.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/census">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/census</a>	Inna Zharnitsky
	<b>Handwritten Decimals Extractor</b> (nca.image.sphog.debod)	Extract or	Extract handwritten decimal values from an image.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/DEBOD/repos/extractors-handwrittendecimals">https://opensource.ncsa.illinois.edu/bitbucket/projects/DEBOD/repos/extractors-handwrittendecimals</a>	Sandeep Puthanveetil Satheesan
	<b>Killed Photos</b> (nca.image.iarp_remove_circle)	Extract or	Identify depression era photos "killed" by Farm Security Administration director Roy Stryker, indicated by a hole punch in the image.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/IARP/repos/image_fetcher/browse/extractors/remove_circle">https://opensource.ncsa.illinois.edu/bitbucket/projects/IARP/repos/image_fetcher/browse/extractors/remove_circle</a>	Marcus Slavenas
	<b>Mean Grey</b> (nca.cv.meangrey)	Extract or	Mean grey values of black and white photos.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/IARP/repos/image_fetcher/browse/extractors/mean_grey">https://opensource.ncsa.illinois.edu/bitbucket/projects/IARP/repos/image_fetcher/browse/extractors/mean_grey</a>	Marcus Slavenas
	<b>Movie Slice</b> (nca.movieslice)	Extract or		<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-movieslice/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-movieslice/browse</a>	Sandeep Puthanveetil Satheesan
	<b>Person Detector</b> (person-detector)	Extract or	Extract locations of people in an image.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-person-detector">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-person-detector</a>	Sandeep Puthanveetil Satheesan
	<b>Person Tracker</b> (nca.person-tracker)	Extract or	Extract locations and paths of people moving in videos.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-person-tracking">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-person-tracking</a>	Sandeep Puthanveetil Satheesan
	<b>Video Analytics Toolbox</b> (nca.cinemetrics_batch)	Extract or	Extract shot descriptors from videos.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-lsva-integrated/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-lsva-integrated/browse</a>	Sandeep Puthanveetil Satheesan
<b>Biology, Genomics, Medicine</b>	<b>FSL</b> (mri2mesh)	Extract or		<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-mri/browse/mri2mesh">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-mri/browse/mri2mesh</a>	Marcus Slavenas
	<b>Glomeruli</b> (nca.msc.diagnosis)	Extract or	Extract glomeruli from Kidney biopsy images.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-msc/browse/Kidney">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-msc/browse/Kidney</a>	Yan Zhao

## General

Domain	Tool	Type	Description	Repositories	Contact
	<b>Calibre</b> (ebook-converter)	Converter	Convert e-books to a number of document formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ebook-convert/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ebook-convert/browse</a>	
	<b>CMU Sphinx</b> (nca.audio.speech2text)	Extract or	Audio recognition to extract text for speech within audio.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-core/browse/audio/speech2text">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-core/browse/audio/speech2text</a>	Marcus Slavenas
	<b>Daffodil</b> (daffodil)	Converter	Convert formats with a provided DFDL schema to XML.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-daffodil/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-daffodil/browse</a>	Kenton McHenry
	<b>DBPedia</b> (nca.dbpedia)	Extract or	Find and define named entities within the given text.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-dbpedia/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-dbpedia/browse</a>	Luigi Marini
	<b>FFmpeg</b> (ffmpeg)	Converter	Convert between a large number of video formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ffmpeg/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ffmpeg/browse</a>	Marcus Slavenas Bing Zhang
	<b>FLAC</b> (flac)	Converter	Convert to and from the FLAC format from other audio formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-flac/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-flac/browse</a>	Bing Zhang
	<b>Ghostscript</b> (ghostscript)	Converter	Convert between document formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ghostscript/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-ghostscript/browse</a>	Bing Zhang
	<b>htmldoc</b> (htmldoc)	Converter	Convert HTML to a number of document formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-htmldoc/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-htmldoc/browse</a>	Kenton McHenry
	<b>ImageMagick</b> (ImageMagick)	Converter	Convert between a large number of image formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-imagemagick/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-imagemagick/browse</a>	Kenton McHenry

General	<b>ImageMagick</b> (nca.image.metadata)	Extract or	Pull available EXIF image metadata from a given image.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-core/browse/image/metadata">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-core/browse/image/metadata</a>	Maxwell Burnette Rob Kooper
	<b>Kabeja</b> (kabeja)	Converter	Convert between a handful of 3D and image formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-kabeja/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-kabeja/browse</a>	
	<b>OpenCV - Faces</b> (nca.cv.faces)	Extract or	Find faces in an image and return their locations.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-faces">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-faces</a>	Kenton McHenry
	<b>OpenCV - Eyes</b> (nca.cv.eyes)	Extract or	Find eyes in an image and return their locations.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-eyes">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-eyes</a>	Kenton McHenry
	<b>OpenCV - Closeups</b> (nca.cv.closeups)	Extract or	Determine whether an image is a closeup of a person or not.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-closeups">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-closeups</a>	Kenton McHenry
	<b>OpenCV - Profiles</b> (nca.cv.profiles)	Extract or	Find human face profiles in an image and return their locations.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-profiles">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-opencv/extractors-opencv-profiles</a>	Kenton McHenry
	<b>Langid</b> (nca.nlp.simplelanguage)	Extract or	Identify the language of the given text.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SimpleLanguage">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SimpleLanguage</a>	Gregory Jansen
	<b>LibreOffice</b> (unoconv)	Converter	Convert to and from a variety of document formats.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-unoconv/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-unoconv/browse</a>	Bing Zhang
	<b>NLTK - Summary</b> (nca.nlp.simplesummary)	Extract or	Summarize a body of text.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SimpleSummary">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SimpleSummary</a>	Gregory Jansen
	<b>Siegfried</b> (siegfried)	Extract or	Extract information about a given file relevant to identifying its type and validating its format.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-siegfried/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-siegfried/browse</a>	Gregory Jansen
	<b>Stanford CoreNLP</b> (nca.nlp.SNLP)	Extract or	Natural Language Process extractions such as parts of speech, named entities, language, etc.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SNLP/SNLPExtractor">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/SNLP/SNLPExtractor</a>	
	<b>Tesseract</b> (nca.image.ocr)	Extract or	Object Character Recognition (OCR) to extract text from images containing text.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-tesseract">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-tesseract</a>	Kenton McHenry
	<b>Tika</b> (nca.nlp.tika)	Extract or	Document extractions such as language identification, ...	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/tika">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-nlp/browse/tika</a>	Kenton McHenry
	<b>txt2html</b> (txt2html)	Converter	Convert text documents to HTML.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-txt2html/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-txt2html/browse</a>	Kenton McHenry
	<b>Versus - Color Distribution</b> (nca.versus.image)	Extract or	Generate a distribution of color values within an image to be used for comparing how similar two images are.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-versus/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-versus/browse</a>	Kenton McHenry Bing Zhang
<b>VLFeat</b> (nca.image.caltech101)	Extract or	Classify images as to whether they contain objects from the Caltech101 dataset (e.g. people, airplanes, motorcycles, cougars, ...).	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-vlfeat">https://opensource.ncsa.illinois.edu/bitbucket/projects/CATS/repos/extractors-cv/browse/extractors-vlfeat</a>	Kenton McHenry	
<b>Zip</b> (zip)	Converter	Unzip zip archives.	<a href="https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-zip/browse">https://opensource.ncsa.illinois.edu/bitbucket/projects/POL/repos/converters-zip/browse</a>	Kenton McHenry Bing Zhang	

<https://opensource.ncsa.illinois.edu/confluence/display/BD/Transformations> (Under development, Being Refactored)